AV-36950
AV-36980
AV-36985

JVC

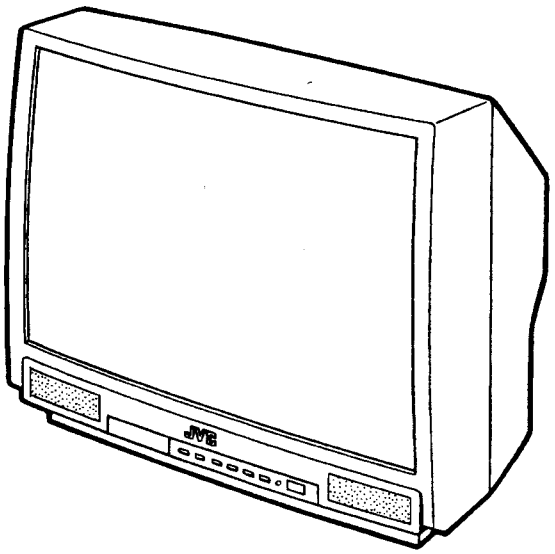
JVC -03757

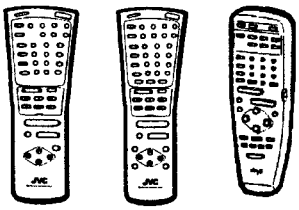
SERVICE MANUAL

COLOR TELEVISION

BASIC CHASSIS
GV

AV-36950(US&CA)
AV-36980(US&CA)
AV-36985(US&CA)





(RM-C755) (RM-C752) (RM-C888)
[AV-36950] [AV-36980] [AV-36985]

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3757

No.51392
Apr. 1998

AV-36950
AV-36980
AV-36985

SPECIFICATIONS

Items	Contents		
	AV-36950 (US&CA)	AV-36980 (US&CA)	AV-36985 (US&CA)
Dimensions (W × H × D)	33-7/8" × 30-1/8" × 23-3/4" / 86.0cm × 76.5cm × 60.3cm		
Mass	149.2lbs / 67.8kg		
TV System and Color system			
TV RF System	CCIR(M)		
Color System	NTSC		
Sound System	BTSC (Multi Channel Sound)		
TV Receiving Channels and Frequency			
VL Band	(02~06) 54MHz~88MHz		
VH Band	(07~13) 174MHz~216MHz		
UHF Band	(14~69) 470MHz~806MHz		
CATV Receiving Channels and Frequency			
Low Band	(02~06, A-8) by (02~06&01)		
High Band	(07~13) by (07~13)		
Mid Band	(A~1) by (14~22)		
Super Band	(J~W) by (23~36)		
Hyper Band	(W+1~W+28) by (37~64)		
Ultra Band	(W+29~W+84) by (65~125)		
Sub Mid Band	(A8, A4~A1) by (01, 96~99)		
	(54MHz~804MHz)		
TV/CATV Total Channel	180 Channels		
Intermediate Frequency			
Video IF Carrier	45.75MHz		
Sound IF Carrier	41.25MHz (4.5MHz)		
Color Sub Carrier	3.58MHz		
Power Input	120V AC, 60Hz		
Power Consumption	130W(US) / 1.8A(CA)	135W(US) / 1.9A(CA)	←
Picture Tube	36" (90cm) measured diagonally, Full Square		
High Voltage	31kV±1.3kV (at zero beam current)		
Speaker	3-3/16" × 4-3/4" / 8 × 12cm Oval type × 2		
Audio Power Output	3W+3W		
Input (1 / 2)	Video : 1Vp-p 75Ω (RCA pin jack) Audio : 500mVrms (-4dBs), High Impedance (RCA pin jack) S-Video Y : 1Vp-p positive (negative sync provided, when terminated with 75Ω) C : 0.286Vp-p (burst signal, when terminated with 75Ω)		
Audio Output (Variable / Fix : Selectable)	Variable : More then 0~1550mVrms (+6dBs) Low Impedance (400Hz when modulated 100%) (RCA pin jack) Fix : 500mVrms(-4dBs) Low Impedance (400Hz when modulated 100%) (RCA pin jack)		
IR mouse / G-Link Output	×	3.5mm mini jack	←
AV Compu link Input	3.5mm mini jack		
Antenna terminal	75Ω (VHF / UHF) Terminal, F-Type connector		
Remote Control Unit	RM-C755-1C (AA / R6 / UM-3 battery × 2)	RM-C752-1C (AA / R6 / UM-3 battery × 2)	RM-C888-1A (AA / R6 / UM-3 battery × 2)

Design & specification are subject to change without notice.

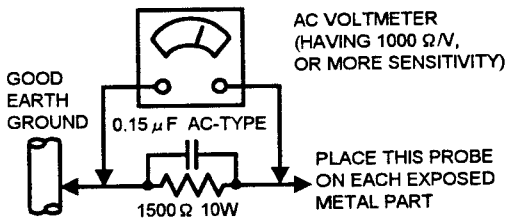
SAFETY PRECAUTIONS

1. The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
4. **Use isolation transformer when hot chassis.**
   The chassis and any sub-chassis contained in some products are connected to one side of the AC power line. An isolation transformer of adequate capacity should be inserted between the product and the AC power supply point while performing any service on some products when the HOT chassis is exposed.
5. **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
   Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED(NEUTRAL) : (⏚) side GND and EARTH : (⏚) side GND. Don't short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND and never measure with a measuring apparatus (oscilloscope etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND at the same time.
   If above note will not be kept, a fuse or any parts will be broken.
6. If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B1 POWER SUPPLY).
7. The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
8. Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.
9. When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.
10. **Isolation Check**
    (Safety for Electrical Shock Hazard)
    After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screwheads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

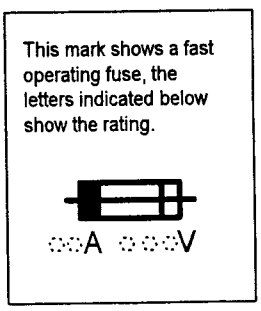
(1) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 1100V AC (r.m.s.) for a period of one second.
(. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires a test equipment not generally found in the service trade.

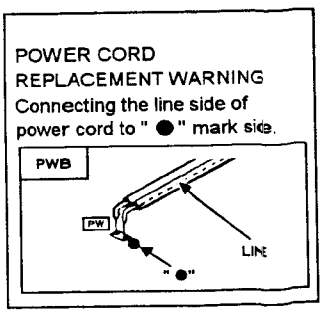
(2) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

● **Alternate Check Method**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 ohms per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



11. **High voltage hold down circuit check.**
    After repair of the high voltage hold down circuit, this circuit shall be checked to operate correctly.
    See item **"How to check the high voltage hold down circuit"**.





AV-36950
AV-36980
AV-36985

FEATURES

- New chassis design enables use of a main board with simplified circuitry.
- Comb filter Improved picture quality.
- Provided with 2 tuner (TV/CATV, PIP).
- Full-square CRT (cathode ray tube) reproduces fine textured picture in every detail.
- With AV COMPU LINK EX terminal.
- Closed-caption broadcasts can be viewed.
- With AUDIO. VIDEO INPUT terminal.
- S-VIDEO input terminal for taking best advantage of Super VHS.
- Variable / Fix audio output terminal.
- Built-in PIP system.
- I^2C bus control utilizes single chip ICs.
- Built-in GUIDE PLUS+ system. **[AV-36980/AV-36985]**
- Built-in HYPER SCAN system. **[AV-36985]**

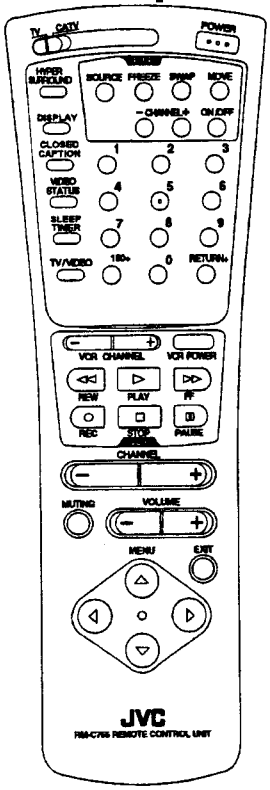
MAIN DIFFERENCE LIST

⚠	Part name	AV-36950 (US&CA)	AV-36980 (US&CA)	AV-36985 (US&CA)
	MAIN PWB	SGV-1004A-M2	SGV-1008A-M2	←
	CRT SOCKET PWB	SGV-3001A-M2	SGV-3002A-M2	←
	FRONT CONTROL PWB	SGV-4002A-M2	←	←
	AV SELECTOR PWB	SGV-8002A-M2	SGV-8003A-M2	←
	PIP PWB	SGV0P001A-M2	←	←
	GUIDE PLUS+ PWB MODULE	×	SGV0T001A-M2	←
⚠	INST. BOOK (ENGLISH)	LCT0139-001A-A (US&CA)	LCT0135-001A-A (US&CA)	LCT0137-001A-A (US&CA)
⚠	INST. BOOK (FRENCH)	LCT0140-001A-A(CA)	LCT0136-001A-A(CA)	LCT0138-001A-A(CA)
	REMOCON UNIT	RM-C755-1C	RM-C752-1C	RM-C888-1A
	IR MOUSE	×	CE42597-00A	←
	INPUT	INPUT1 (S-VIDEO/VIDEO/AUDIO (L/R)) INPUT2 (VIDEO / AUDIO (L/R))	INPUT1 / INPUT2 (S-VIDEO/VIDEO/AUDIO (L/R))	←
	IR MOUSE/G-LINK JACK	×	O	O
	HYPER SCAN	×	×	O

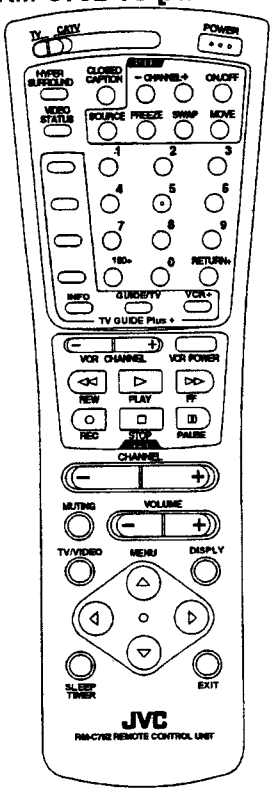
FUNCTIONS

■ REMOTE CONTROL UNIT

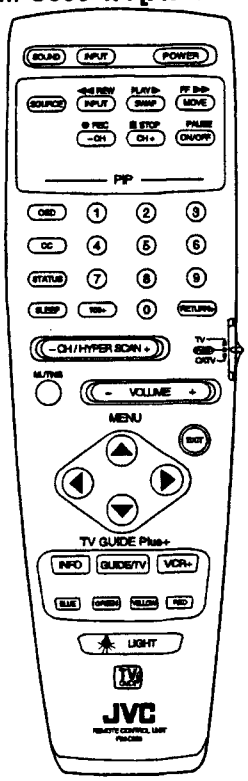
RM-C755-1C [AV-36950]



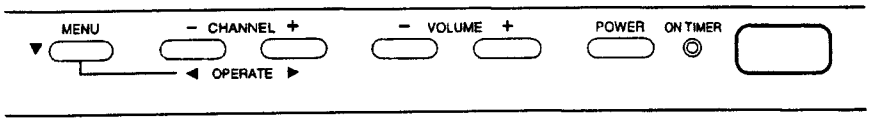
RM-C752-1C [AV-36980]



RM-C888-1A [AV-36985]

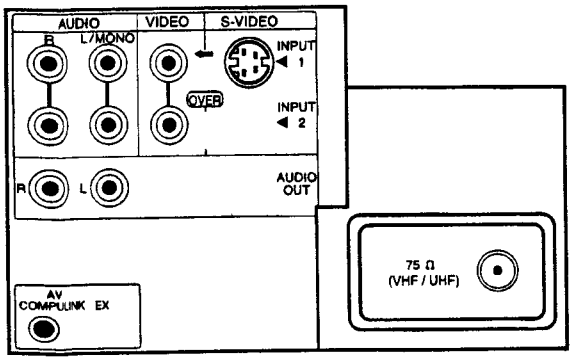


■ FRONT PANEL

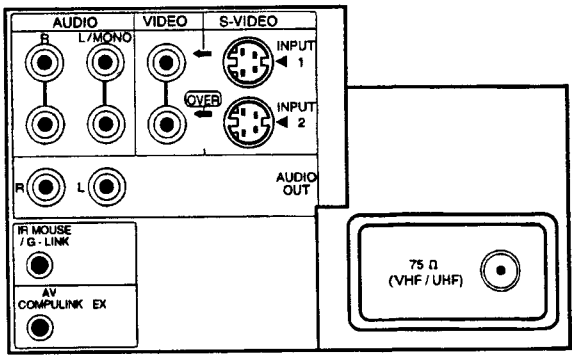


■ FRONT PANEL

[AV-36950]



[AV-36980 / AV-36985]



SERVICE ADJUSTMENTS

DISASSEMBLY PROCEDURE

REMOVING THE REAR COVER

1. Unplug the power supply cord.
2. Remove the 11 screws marked Ⓐ as shown in Fig.2.
3. Remove the rear cover toward you.

* When reinstalling the rear cover, carefully push it inward after inserting the chassis into the rear cover groove.

REMOVING THE CHASSIS

- After removing the rear cover.

1. Slightly raise the both sides of the chassis by hand and remove the 2 claws under the both sides of the chassis from the front cabinet.
2. Draw the chassis backward along the rail in the arrow direction marked Ⓑ as shown in the Fig.2.
   (If necessary, take off the wire clamp, connectors etc.)

* When conducting a check with power supplied, be sure to confirm that the CRT earth wire is connected to the CRT SOCKET PWB and the MAIN PWB.

REMOVING THE TERMINAL BOARD

- After removing the rear cover.

1. Remove the 3 screws marked Ⓒ as shown in Fig.2.
2. After removing the claw marked Ⓔ in the direction of arrow mark as shown in Fig.1.
3. When you pull out the TERMINAL BOARD in the direction of arrow marked Ⓕ as shown in Fig.1, it can be removed.
   At that time, the connector of the ANTENNA SPLITTER and the TUNER comes out.
4. Thus the connector should be securely inserted when the TERMINAL BOARD is installed again.

REMOVING THE FRONT CONTROL PW BOARD

- After removing the rear cover and chassis.

1. Remove the 2 screws marked Ⓓ as shown in Fig.2.
2. Then remove the FRONT CONTROL PWB.

REMOVING THE SPEAKER

- After removing the rear cover and chassis.

1. Remove the 2 screws marked Ⓖ as shown in Fig.2.
2. Follow the same steps when removing the other hand speaker.

CHECKING THE MAIN PW BOARD

1. To check the backside of the MAIN PW Board.
   (1) Pull out the chassis. (Refer to REMOVING THE CHASSIS).
   (2) Erect the chassis vertically so that you can easily check the backside of the MAIN PW Board.

[CAUTION]

- When erecting the chassis, be careful so that there will be no contacting with other PWB.
- Before turning on power, make sure that the CRT earth wire and other connectors are properly connected.

WIRE CLAMPING AND CABLE TYING

1. Be sure to clamp the wire.
2. Never remove the cable tie used for tying the wires together. Should it be inadvertently removed, be sure to tie the wires with a new cable tie.

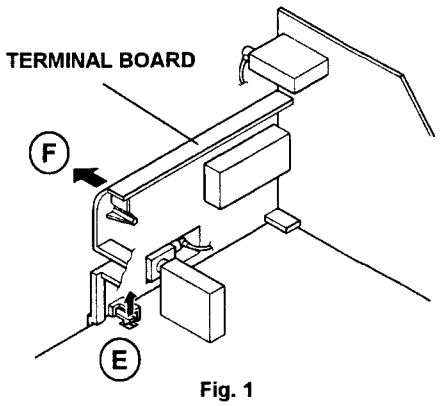


Fig. 1

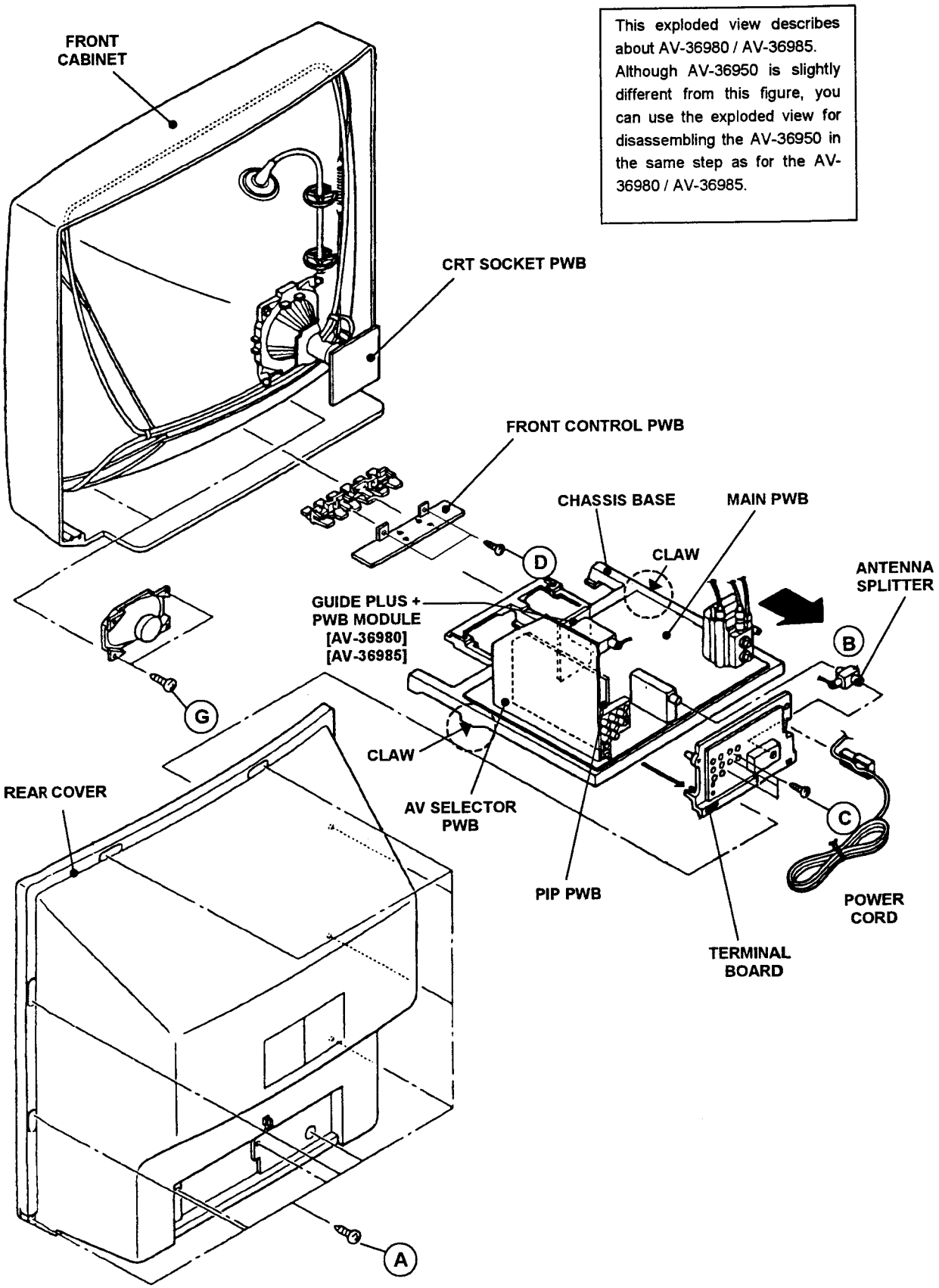

This exploded view describes about AV-36980 / AV-36985. Although AV-36950 is slightly different from this figure, you can use the exploded view for disassembling the AV-36950 in the same step as for the AV-36980 / AV-36985.
FRONT CABINET
CRT SOCKET PWB
FRONT CONTROL PWB
CHASSIS BASE
MAIN PWB
CLAW
ANTENNA SPLITTER
GUIDE PLUS + PWB MODULE [AV-36980] [AV-36985]
D
B
G
CLAW
REAR COVER
AV SELECTOR PWB
C
PIP PWB
POWER CORD
TERMINAL BOARD
A

Fig. 2

REMOVING THE CRT

* Replacement of the CRT should be performed by 2 or more persons.
- After removing the cover, chassis etc..,

1. Putting the CRT change table on soft cloth, the CRT change table should also be covered with such soft cloth (shown in Fig.3).
2. While keeping the surface of CRT down, mount the TV set on the CRT change table balanced will as shown in Fig.4.
3. Remove 4 screws marked by arrows with a box type screw driver as shown in Fig.4.

- Since the cabinet will drop when screws have been removed, be sure to support the cabinet with hands.

4. After 4 screws have been removed, put the cabinet slowly on cloth (At this time, be carefully so as not to damage the front surface of the cabinet) shown in Fig.5.

- The CRT should be assembled according to the opposite sequence of its dismounting steps.

* The CRT change table should preferably be smaller that the CRT surface, and its height be about 35cm.

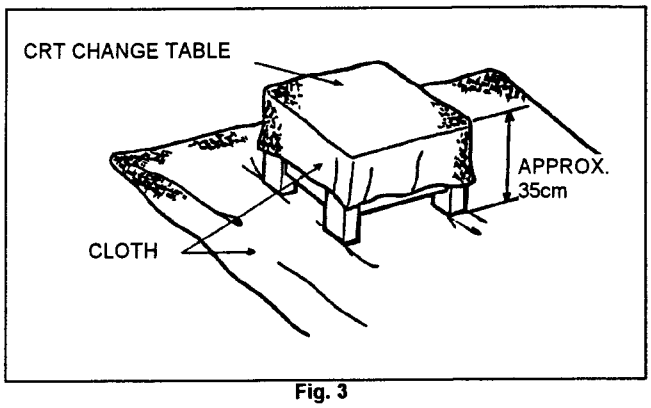


Fig. 3

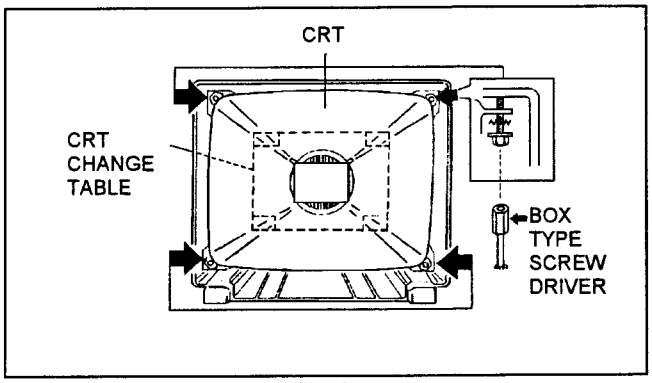


Fig. 4

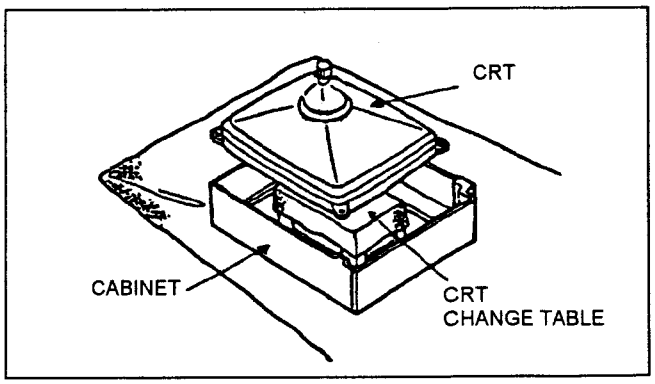


Fig. 5

COATING OF SILICON GREASE FOR ELECTRICAL INSULATION ON THE CRT ANODE CAP SECTION.

- Subsequent to replacement of the CRT and HV transformer or repair of the anode cap, etc. by dismounting them, be sure to coat silicon grease for electrical insulation as shown in Fig.6.
  Wipe around the anode button with clean and dry cloth. (Fig.6)
  Coat silicon grease on the section around the anode button. At this time, take care so that any silicon greases dose not stick to the anode button. (Fig.7)

★ **Silicon grease product No. KS - 650N**

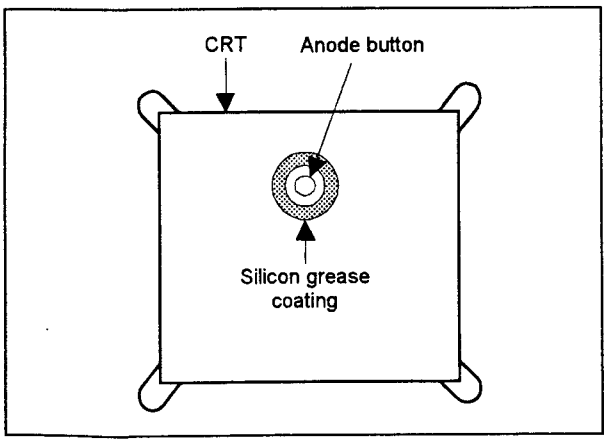


Fig. 6

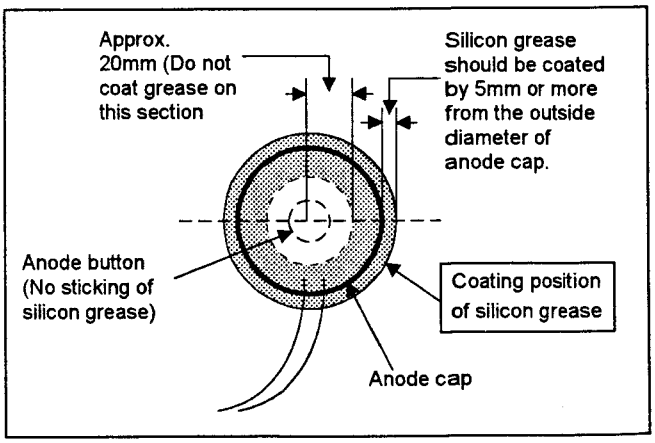


Fig. 7

AV-36950
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JVC

SERVICE MANUAL

COLOR TELEVISION

BASIC CHASSIS
GV

AV-36950 (US&CA)
AV-36980 (US&CA)
AV-36985 (US&CA)

Supplementary

Since some derails of the AV-36950 (US&CA) / AV-36980 (US&CA) / AV-36985 (US&CA) service manual (No.51392 Apr.1998) were incorrect, we are informing you of these errors and of the correct descriptions.

1. CORRECTED ITEMS

PARTS LIST

Page 36 & 48 | **AV-36950 / AV-36980 / AV-36985**

⚠ Symbol No.	Part No.	Part Name	Description	Local
CAPACITOR				
C1911	QETN1VM-477Z	E CAP.	1000pF 50V J	*
C1912	QFN31HJ-102Z	M CAP.	1000pF 50V J	*
C1913	QCZ0325-222	C CAP.	2200pF 2000V K	*
C1914	QCZ0325-391	C CAP.	390pF 2000V K	*
C1915	QFP32GJ-223	PP CAP.	0.022μF 400V J	*
C1916	QCZ0325-222	C CAP.	2200pF 2kV K	*
C1918	NCB21HK-102X	C CAP.	1000pF 50V K	*

Symbol	INCORRECT	CORRECT
C1913	QCZ0325-222 C CAP. (2200pF 2000V K *)	QCZ0131-332 C CAP. (3300pF 2000V K *)
C1916	QCZ0325-222 C CAP. (2200pF 2000V K *)	QCZ0131-332 C CAP. (3300pF 2000V K *)

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⚠ Symbol No.	Part No.	Part Name	Description	Local
COIL				
L1001	QQL03BJ-101Z	COIL	100μH J	*
L1102	QQLZ014-R22	PEAKING COIL	0.22μH	*
L1103	QQLZ014-R68	PEAKING COIL	0.68μH	*
L1104	QQL03BJ-680Z	COIL	68μH J	*
L1131	QQL03BJ-330Z	COIL	33μH J	*
L1161	QQL03BJ-680Z	COIL	68μH J	*

Symbol	INCORRECT	CORRECT
L1103	QQLZ014-R68 PEAKING COIL (0.68μH *)	QQL05BM-R68 PEAKING COIL (0.68μH *)

No.51392B
May. 1998

STANDARD CIRCUIT DIAGRAMS

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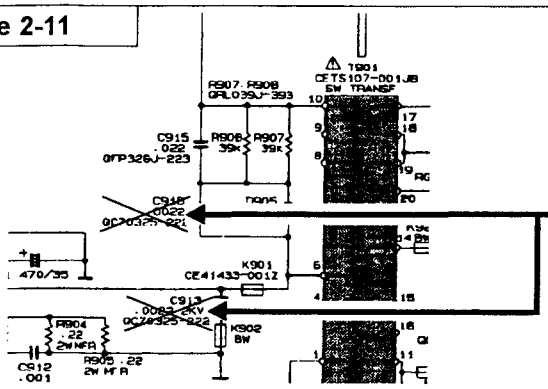

Symbol	INCORRECT	CORRECT
C916 (C1916)	QCZ0325-222 .0022	→ QCZ0131-332 .0033 2kV
C913 (C1913)	QCZ0325-222 .0022 2kV	→ QCZ0131-332 .0033 2kV

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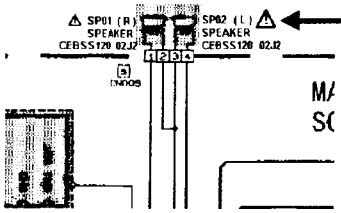
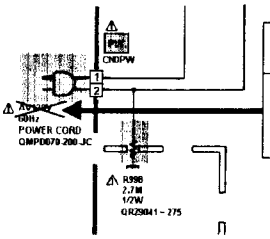


	ADDITION
SP02 (L)	⚠

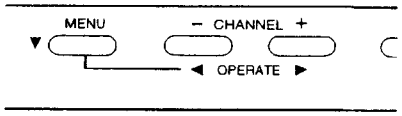
Page 2-11



	INCORRECT	CORRECT
⚠ POWER CORD	AV120V	→ AC120V

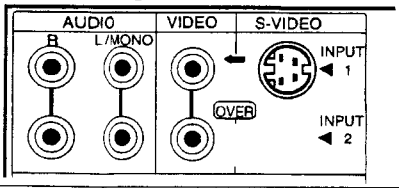
FUNCTIONS (Page 5)

■ FRONT PANEL



INCORRECT	CORRECT
FRONT PANEL	→ REAR PANEL

■ ~~FRONT PANEL~~
[AV-36950]



JVC SERVICE & ENGINEERING COMPANY OF AMERICA

DIVISION OF US JVC CORP.

Head office (East Coast)	:	107 Little Falls Road, Fairfield, New Jersey 07004	(973)808-9279
Midwest	:	705 Enterprise St. Aurora, Illinois 60504	(630)851-7855
West Coast	:	5665 Corporate Avenue, Cypress, California 90630	(714)229-8011
Southeast	:	1500 Lakes Parkway, Lawrenceville, Georgia 30243	(770)339-2522
Hawaii	:	2969 Mapunapuna Place, Honolulu, Hawaii 96819	(808)833-5828

JVC CANADA INC.

Head office	:	21 Finchdene Square Scarborough, Ontario M1X 1A7	(416)293-1311
Vancouver	:	13040 Worster Court Richmond B.C. V6V 2B3	(604)270-1311

AV36950(USM) #3 AV36950(CAM) #4
AV36980(USM) #3 AV36980(CAM) #4
AV36985(USM) #4 AV36985(CAM) #3

Printed in Japan
VP 9805
DP2053

MEMORY IC REPLACEMENT

1. Memory IC

This model use a memory IC.
This memory IC stores data for proper operation of the video and deflection circuits.
When replacing, be sure to use an IC containing this (initial value) data.

2. Memory IC replacement procedure

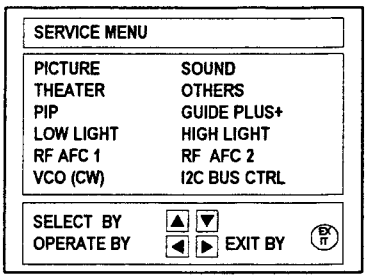
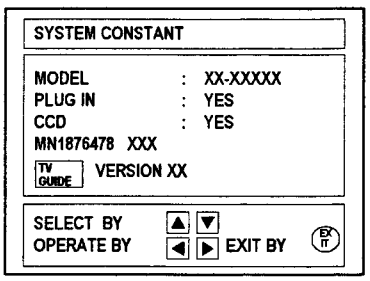
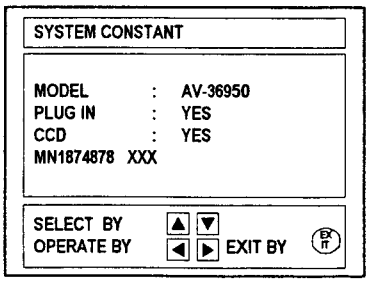
Procedure	Screen display
(1) Power off Switch off the power and disconnect the power cord from the outlet.	
(2) Replace the memory IC Initial value must be entered into the new IC.	
(3) Power on Connect the power cord to the outlet and switch on the power.	
(4) System constant check and setting 1) Simultaneously press the DISPLAY key and VIDEO STATUS key of the remote control unit. 2) The SERVICE MENU screen of Fig.1 is displayed. 3) While the SERVICE MENU is displayed, again simultaneously press the DISPLAY and VIDEO STATUS keys to display the Fig.2 SYSTEM CONSTANT screen. 4) Refer to the SYSTEM CONSTANT table and check the setting items. Where these differ, select the setting item with the MENU UP/DOWN key and adjust the setting with the MENU LEFT/RIGHT keys. (The letters of the selected item are displayed in yellow.) 5) After adjusting, release the MENU LEFT/RIGHT key to store the setting value. 6) Press the EXIT key twice to return the normal screen. NOTE: **Remote Control Unit [RM-C755 / RM-C752]** — DISPLAY key; VIDEO STATUS key. **Remote Control Unit [RM-C888]** — OSD key; STATUS key	 Fig.1 **[GUIDE PLUS + : Only AV-36980 / AV-36985]**  Fig.2 **[The figures are about the model AV-36980 / AV-36985]**  Fig.2 **[The figures are about the model AV-36950]**
(5) Receive channel setting Refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the receive channels (Channels Preset) as described.	
(6) User settings Check the user setting items according to Table 2. Where these do not agree, refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the items as described.	
(7) SERVICE MENU setting Verify what to set in the SERVICE MENU, and set whatever is necessary. (Fig.1) Refer to the SERVICE ADJUSTMENT for setting.	

TABLE 1 (System Constant setting)

[AV-36950]

Setting item	Setting constant	Setting value
		AV-36950
MODEL	AV-27950 → AV-32950 → AV-36950	AV-36950
PLUG IN	YES → NO	YES
CCD	YES → NO	YES

[AV-36980 / AV-36985]

Setting item	Setting constant	Setting value	
		AV-36980	AV-36985
MODEL	AV-27980 → AV-32980 → AV-36980 → AV-36985 → AV-32985 → AV-27985	AV-36980	AV-36985
PLUG IN	YES → NO	YES	
CCD	YES → NO	YES	

TABLE 2 (User setting)

Setting item	Setting value	Setting item	Setting value
1. Use remote controller keys			
POWER	OFF	DISPLAY	OFF
CHANNEL	CH-02	VIDEO STATUS	STANDARD
VOLUME	Proper sound volume	SLEEP TIMER	0
TV/VIDEO	TV	PIP SOURCE	CH-04
CLOSED CAPTION	OFF(CC1/T1/BLACK)	PIP POSITION	Lower left
HYPER SURROUND	OFF		
2. Settings of MENU			
PICTURE ADJUST	CENTER	**CLOCK / TIMERS**	
TINT	CENTER	SET CLOCK	Unnecessary to set
COLOR	CENTER	ON/OFF TIMER	NO
PICTURE	CENTER	SET LOCK CODE	Unnecessary to set
BRIGHT	CENTER		
DETAIL		**INITIAL SETUP**	
		TV SPEAKER	ON
NOTCH MUTING	OFF	AUDIO OUT	FIX
NOISE MUTING	ON	LANGUAGE	ENG
SET VIDEO STATUS	ALL CENTER	CLOSED CAPTION	CAPTION : CC1 TEXT : T1 BACKGROUND : BLACK
SOUND ADJUST			
BASS	CENTER		
TREBLE	CENTER	TV GUIDE PLUS+MENU **[AV-36980/AV-36985]**	Not to set
BALANCE	CENTER		
MTS	STEREO	TV GUIDE PLUS+DEMO **[AV-36980/AV-36985]**	Unnecessary to set
		AUTO TUNER SET UP	Unnecessary to set
		CHANNEL SUMMARY	Unnecessary to set

SERVICE ADJUSTMENTS

ADJUSTMENT PREPARATION:

1. **You can make the necessary adjustments for this unit with either the Remote Control Unit or with the adjustment tools and parts as before.**
2. **Adjustment with the Remote Control Unit is made on the basis of the initial setting values ; however, the new setting values which set the screen to its optimum condition may differ from the initial settings.**
3. Turn on the power for the set and test equipment before use, and start the adjustment procedures after waiting at least 30 minutes.
4. Make sure that AC power is turned on correctly.
5. Unless otherwise specified, prepare the most suitable reception or input signal for adjustment.
6. Never touch any adjustment parts which are not specified in the list for this adjustment-variable resistors, transformers, condensers, etc.
7. Presetting before adjustment.
   Unless otherwise specified in the adjustment instructions, preset the following functions with the Remote Control Unit :

(1) VIDEO STATUS	STANDARD	(3) HYPER SURROUND	OFF
(2) NOTCH	OFF	(4) BASS, TREBLE, BALANCE	CENTER

MEASURING INSTRUMENT

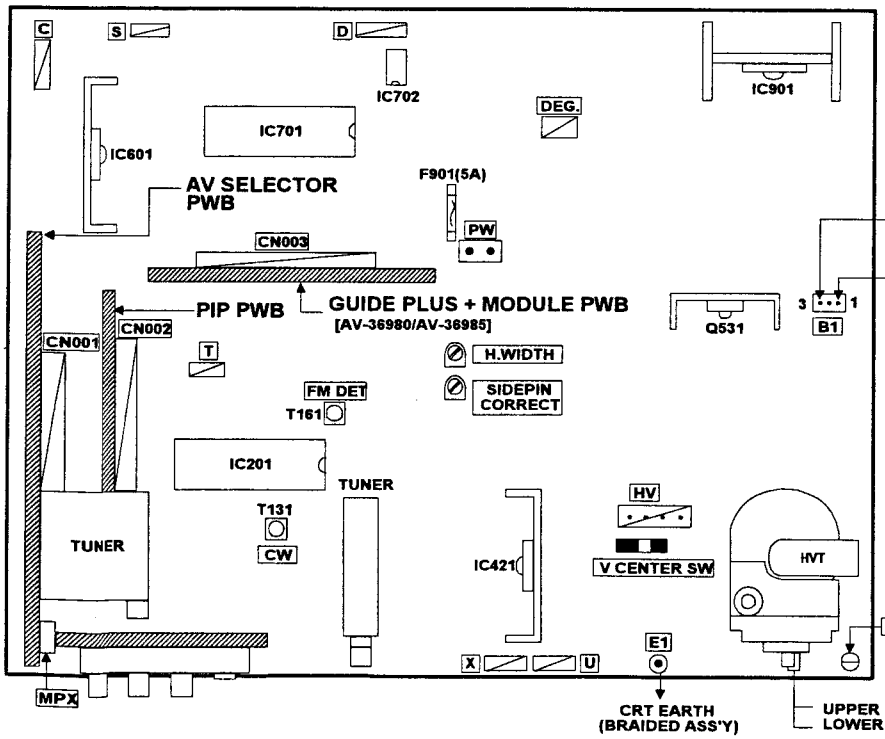
1. DC voltmeter (or digital voltmeter)
2. Oscilloscope
3. Signal generator (Pattern generator) [NTSC]
4. Remote control unit
5. TV audio multiplex signal generator
6. Frequency counter

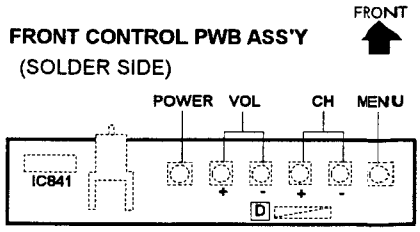
ADJUSTMENT ITEMS

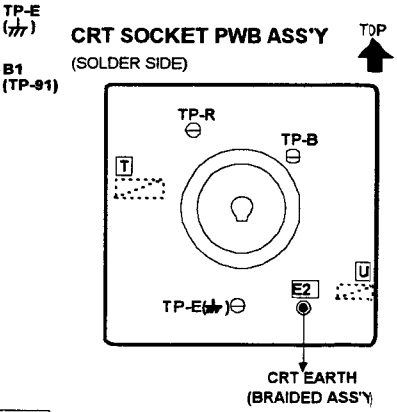
Check of B1 POWER SUPPLY	WHITE BALANCE (Low Light)	PIP CIRCUIT (7 ITEMS)
IF VCO	WHITE BALANCE (High Light)	MTS INPUT LEVEL check
RF. AGC	SUB BRIGHT	MTS STEREO VCO
FOCUS	SUB CONTRAST	MTS SAP VCO
V.CENTER, V.SIZE and V.POSITION	SUB COLOR	MTS FILTER check
		MTS SEPARATION
H.WIDTH, SIDEPIN, CORRECT, H.POSITION	SUB TINT	GUIDE PLUS+ SCREEN POSITION

ADJUSTMENT LOCATIONS

MAIN PWB ASS'Y







BASIC OPERATION OF SERVICE MENU

1. SERVICE MENU operation is used by the remote control unit.
2. In general, the twelve basic setting(adjustments) items or verifications are performed in the SERVICE MENU.

(1) PICTURE ····· This sets the setting values (adjustment values) of the VIDEO/CHROMA and DEFLECTION circuits.
(2) SOUND ····· This sets the setting values (adjustment values) of the AUDIO circuit.
(3) THEATER ····· This is used when the THEATER MODE is adjusted.
(4) OTHERS ····· This sets the setting values (adjustment values) of the OTHERS circuit.
(5) PIP ····· This sets the setting values (adjustment values) of the PICTURE-IN-PICTURE circuit. (PIP in means as Picture in Picture)
(6) GUIDE PLUS+ ····· This sets the setting values (adjustment values) of the TV GUIDE PLUS + circuit.
[AV-36980 / AV-36985]
(7) LOW LIGHT ····· This sets the setting values (adjustment values) of the WHITE BALANCE circuit.
(8) HIGH LIGHT ····· This sets the setting values (adjustment values) of the WHITE BALANCE circuit.
(9) RF AFC 1 ····· This is used when the RF AFC 1 MODE is verified. **[Do not adjust]**
(10) RF AFC 2 ····· This is used when the RF AFC 2 MODE is verified. **[Do not adjust]**
(11) VCO (CW) ····· This is used when the IF VCO is adjusted.
(12) I2C BUS CTRL ····· This is used when ON/OFF of the I2C BUS CTRL is set.

3. Basic Operations of the SERVICE MENU

(1) How to enter the SERVICE MENU.
1) Press the DISPLAY KEY and VIDEO STATUS KEY of the REMOTE CONTROL UNIT at the same time to display the SERVICE MENU screen shown in Fig.1.

(2) SERVICE MENU screen selection
1) Press the UP/DOWN key of the MENU to select any of the following items.(The letters of the selected items are displayed in yellow.)

- PICTURE
- THEATER
- PIP
- LOW LIGHT
- RF AFC 1
- VCO (CW)
- SOUND
- OTHERS
- GUIDE PLUS +
- HIGH LIGHT
- RF AFC 2
- I2C BUS CTRL

2) Select any of PICTURE, SOUND or OTHERS. The screen shown in Fig.2 will be displayed if the LEFT/RIGHT key is pressed.

3) If the UP/DOWN key is pressed, the PICTURE MODE screen shown in Fig.3 or the SOUND MODE screen shown in Fig.4 or the OTHERS MODE screen shown in Fig.5 is displayed and the PICTURE, SOUND or OTHERS setting can be performed.

(3) Enter the any setting (adjustment) mode
- PICTURE, SOUND and OTHERS mode

1) If select any of PICTURE, SOUND or OTHERS items, and the LEFT / RIGHT key is pressed from SERVICE MENU (MAIN MENU), the screen ② will be displayed as shown in figure page later.
2) Then the UP / DOWN key is pressed, the PICTURE mode screen ③ or the SOUND mode screen ④ or the OTHERS mode screen ⑤ is displayed, and the PICTURE, SOUND or OTHERS setting can be performed.

- PIP mode

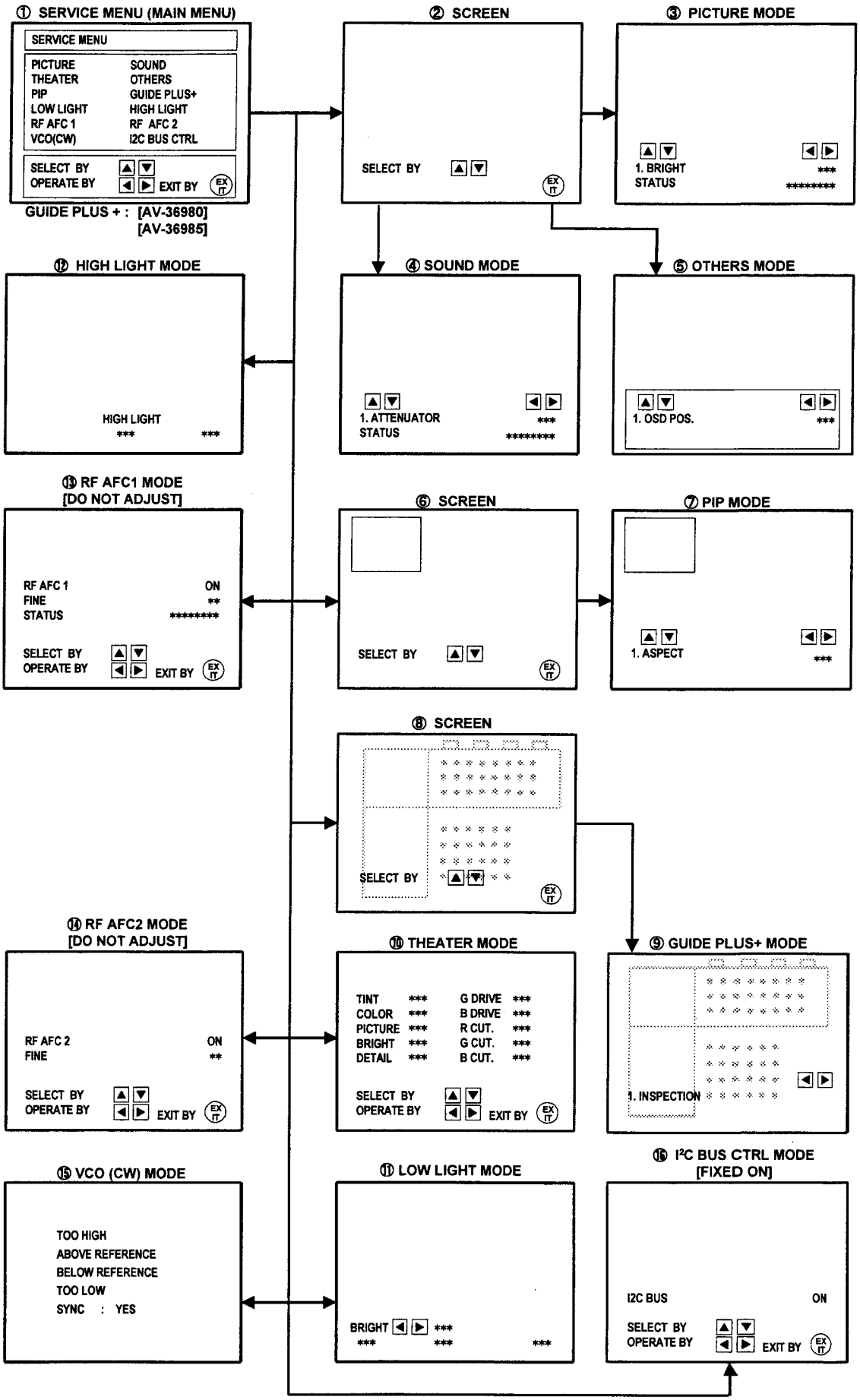
1) If select the PIP item, and the LEFT / RIGHT key is pressed from SERVICE MENU (MAIN MENU), the screen ⑥ will be displayed as shown in figure page later.
2) Then UP / DOWN key is pressed, the PIP mode screen ⑦ is displayed, and the PIP setting can be performed.

- GUIDE PLUS + mode

1) If select the GUIDE PLUS + item, and the LEFT / RIGHT key is pressed from SERVICE MENU (MAIN MENU), the screen ⑧ will be displayed as shown in figure page later.
2) Then UP / DOWN key is pressed, the GUIDE PLUS + mode screen ⑨ is displayed, and the GUIDE PLUS + setting can be performed.

- THEATER, LOW LIGHT, HIGH LIGHT, RF AFC 1, RF AFC 2, VCO (CW) and I2C BUS CTRL mode

1) If select any of THEATER / LOW LIGHT / HIGH LIGHT / RF AFC 1 / RF AFC 2 / VCO (CW) / I2C BUS CTRL items, and the LEFT / RIGHT key is pressed from SERVICE MENU (MAIN MENU), the screens⑩⑫⑬⑭⑮⑯ will be displayed as shown in figure page later.
2) Then the settings or verifications can be performed.

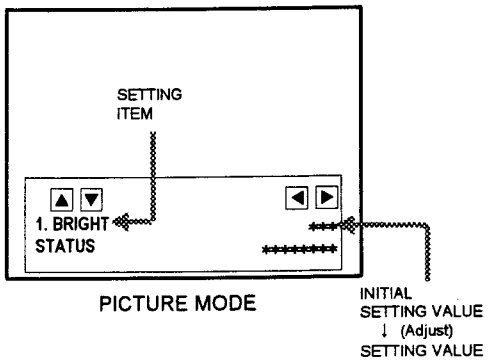

① SERVICE MENU (MAIN MENU)
SERVICE MENU
PICTURE
THEATER
PIP
LOW LIGHT
RF AFC 1
VCO(CW)
SOUND
OTHERS
GUIDE PLUS+
HIGH LIGHT
RF AFC 2
I2C BUS CTRL
SELECT BY
OPERATE BY
EXIT BY
GUIDE PLUS + : [AV-36980]
[AV-36985]
② SCREEN
SELECT BY
③ PICTURE MODE
1. BRIGHT
STATUS
④ SOUND MODE
1. ATTENUATOR
STATUS
⑤ OTHERS MODE
1. OSD POS.
⑫ HIGH LIGHT MODE
HIGH LIGHT
⑥ SCREEN
SELECT BY
⑦ PIP MODE
1. ASPECT
⑬ RF AFC1 MODE
[DO NOT ADJUST]
RF AFC 1
FINE
STATUS
ON
⑧ SCREEN
SELECT BY
⑭ RF AFC2 MODE
[DO NOT ADJUST]
RF AFC 2
FINE
⑩ THEATER MODE
TINT
COLOR
PICTURE
BRIGHT
DETAIL
G DRIVE
B DRIVE
R CUT.
G CUT.
B CUT.
⑨ GUIDE PLUS+ MODE
1. INSPECTION
⑮ VCO (CW) MODE
TOO HIGH
ABOVE REFERENCE
BELOW REFERENCE
TOO LOW
SYNC : YES
⑪ LOW LIGHT MODE
BRIGHT
⑯ I²C BUS CTRL MODE
[FIXED ON]
I2C BUS
ON

(3) Setting method

1) UP / DOWN key of the MENU
Select the item.

2) LEFT / RIGHT key of the MENU
Setting(adjust) the value of the items.
When the key is released the setting value will be stored (memorized).

3) EXIT key
Returns to the previous screen.



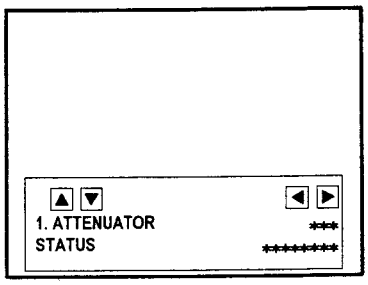
PICTURE MODE

(4) Releasing SERVICE MENU

1) After returning to the SERVICE MENU upon completion of the setting (adjustment) work, press the EXIT key again.

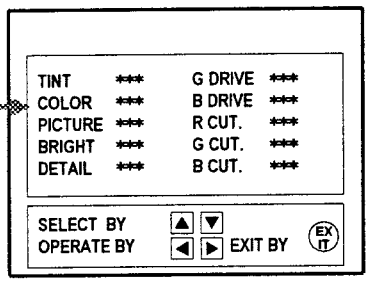
★ The settings for LOW LIGHT and HIGH LIGHT are described in the WHITE BALANCE page of ADJUSTMENT.

★ The setting for RF AFC 1 are described in the IF VCO page of ADJUSTMENT.

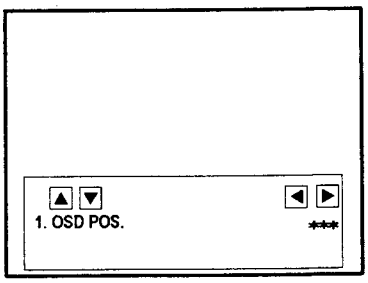


SOUND MODE

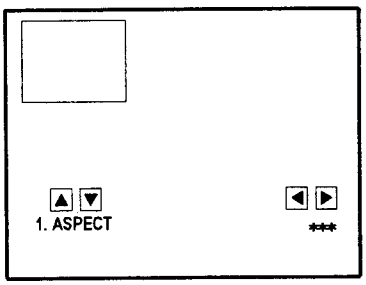
The letters of the selected items are displayed in yellow.



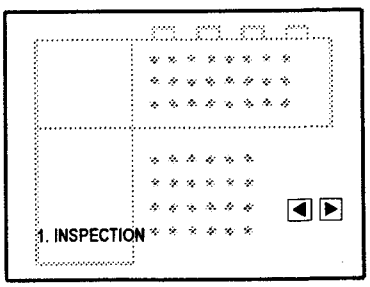
THEATER MODE



OTHERS MODE



PIP MODE



GUIDE PLUS + MODE

INITIAL SETTING VALUE OF SERVICE MENU

1. **Adjustment of the SERVICE MENU is made on the basis of the initial setting values ; however, the new setting values which set the screen in its optimum condition may differ from the initial setting.**
2. **Do not change the initial Setting Values of the Setting (Adjustment) items not listed in "ADJUSTMENT".**

- **PICTURE MODE**

✧ The four setting items in the video mode No.8 EXT BRI., No.9 EXT PIC., No.12 EXT TINT and No.13 EXT COLOR are linked to the items in the TV MODE No.1 BRIGHT, No.2 PICTURE, No.6 TINT and No.7 COLOR, respectively. When the setting items in the TV mode are adjusted, the values in the setting items in the video mode are revised automatically to the same values in the TV mode. (The initial setting values given in ( ) are off-set values.)

✧ When the four items (No.8, 9, 12 and 13) are adjusted in the video mode, the setting values in each item are revised independently.

No.	Setting (Adjustment) item	Variable range	Initial setting value
1.	BRIGHT	0~127	64
2.	PICTURE	0~127	85
3.	WPS (WHITE PEAK SUPPRESSOR)	0 / 1	1
4.	TV DETAIL	0~63	40
5.	TV BPF (TV B.P.FILTER)	0 / 1	1
6.	TINT	0~127	64
7.	COLOR	0~127	52
8.	EXT BRIGHT	±25	(+1)
9.	EXT PICT.	±25	(±0)
10.	EXT DETAIL	0~63	38
11.	EXT BPF (EXT B.P.FILTER)	0 / 1	1
12.	EXT TINT	±25	(+4)
13.	EXT COLOR **[AV-36950]**	±25	(+1)
	[AV-36980/AV-36985]	±25	(+3)
14.	V SIZE	0~63	34
15.	V CENTER	0~7	0
16.	H POSITION	0~31	22
17.	H AFC	0 / 1	0
18.	BLANKING	0 / 1	0
19.	RF AGC	0~63	35
20.	PIF VCO	0~127	64

- **SOUND MODE**

No.	Setting (Adjustment) item	Variable range	Initial setting value
1.	ATTENUATOR	0~63	50
2.	BALANCE	0~63	32
3.	NOISE DET.	0 / 1	1
4.	IN LEVEL (INPUT LEVEL)	0~63	27
5.	FH MONITOR	0 / 1	0
6.	STEREO VCC	0~63	23
7.	PILOT CAN. (PILOT CANCELER)	0 / 1	0
8.	FILTER	0~63	30
9.	LOW SEP. (LOW SEPARATION)	0~63	28
10.	HI SEP. (HIGH SEPARATION)	0~63	19
11.	5FH MON. (5FH MONITOR)	0 / 1	0
12.	SAP VCO	0~63	27
13.	IN GAIN (INPUT GAIN)	0 / 1	0
14.	FIL.OFFSET	0~10	0

- **THEATER MODE**

Setting (Adjustment) item	Variable range	Initial setting value
TINT	±20	±00
COLOR	±20	-2
PICTURE	±20	-15
BRIGHT	±20	±00
DETAIL	±15	-3
G DRIVE	-99~+50	-25
B DRIVE	-99~+50	-72
R CUT. (R CUTOFF)	±10	±00
G CUT. (G CUTOFF)	±10	±00
B CUT. (B CUTOFF)	±10	±00

- **OTHERS MODE**

No.	Setting (Adjustment) item	Variable range	Initial setting value
1.	OSD POS.	0~7	0
2.	CCD POS. (CLOSED CAPTION DECODER POS.)	0~15	2
3.	EOSEL	0 / 1	0
4.	F1 FIELD	0 / 1	0
5.	F1 LINE21	0~15	8
6.	F2 LINE21	0~15	8
7.	OSD STABI	0 / 1	0
8.	SYNC SEP.	0 / 1	1

- **PIP MODE**

No.	Setting (Adjustment) item	Variable range	Initial setting value
1.	ASPECT	0~31	23
2.	V POSITION	0~127	20
3.	LOWER POS.	0~127	61
4.	H POSITION	0~127	40
5.	RIGHT POS.	0~127	81
6.	V AREA	0~3	2
7.	H AREA	0~3	2
8.	CLAMP POS.	0~3	1
9.	FRAME	0~3	3
10.	Y/C DELAY	0~7	4
11.	TINT	0~127	26
12.	COLOR	0~127	76
13.	CONTRAST	0~127	70
14.	G GAIN	0~127	80
15.	B GAIN	0~127	90

- **GUIDE PLUS+ MODE [AV-36980/AV-36985]**

No.	Setting (Adjustment) item	Variable range	Initial setting value
1.	INSPECTION	———	———
2.	MAIN H POS	0~255	31
3.	MAIN V POS	0~255	36
4.	FRAME SIZE	0~13	9
5.	PIP ASPECT	0~31	20
6.	PIP H POS.	0~127	32
7.	PIP V POS.	0~127	25
8.	INIT. DELAY	0~255	17
9.	INITIALIZE	———	———

● **LOW LIGHT MODE**

Setting (Adjustment) item	Variable range	Initial setting value
R CUTOFF	0~255	20
G CUTOFF	0~255	20
B CUTOFF	0~255	20

● **HIGH LIGHT MODE**

Setting (Adjustment) item	Variable range	Initial setting value
G DRIVE	0~255	128
B DRIVE	0~255	128

● **RF AFC 1 MODE**

Setting (Adjustment) item	Variable range	Initial setting value
RF AFC 1	ON/OFF	ON [DO NOT ADJUST]
FINE	-77~+77	± × ×

● **RF AFC 2 MODE**

Setting (Adjustment) item	Variable range	Initial setting value
RF AFC 2	ON/OFF	ON [DO NOT ADJUST]
FINE	-77~+77	± × ×

● **I2C BUS CTRL MODE**

Setting (Adjustment) item	Variable range	Initial setting value
I2C BUS	ON/OFF	**[Fixed ON]**

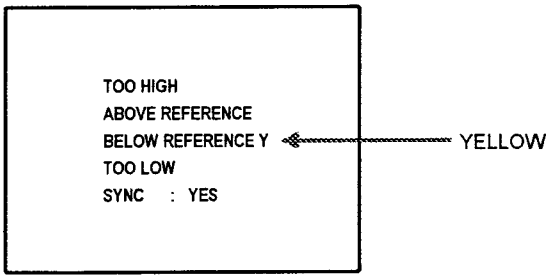
■ ADJUSTMENTS

B1 POWER SUPPLY

Item	Measuring instrument	Test point	Adjustment part	Description
B1 POWER SUPPLY check	DC Voltmeter	B1 (【B1】 Connector 【1】 pin) (TP-91) TP-E(⏚) (【B1】 Connector 【3】 pin)		1. Receive a black-and-white signal. 2. Connect the DC Voltmeter to 【B1】 connector 【1】 pin (TP-91) and TP-E(⏚) (B1 connector 【3】 pin). 3. Confirm that the voltage is DC134V±2V.

ADJUSTMENT OF IF. VCO

Item	Measuring instrument	Test point	Adjustment part	Description
IF VCO adjustment			CW TRANSF. (T131)	● Under normal conditions, no adjustment is required. 1. Receive a NTSC broadcast. (Use channels without offset frequency). 2. Select the VCO (CW) mode from the SERVICE MENU. 3. Confirm the color change (yellow) from "TOO HIGH" to "TOO LOW" by CW TRANSF. and "SYNC : YES" being shown on the screen. Then, adjust CW TRANSF. until " BELOW REFERENCE" mark turns yellow and confirm again " SYNC : YES" being shown on the screen.



ADJUSTMENT OF RF AGC

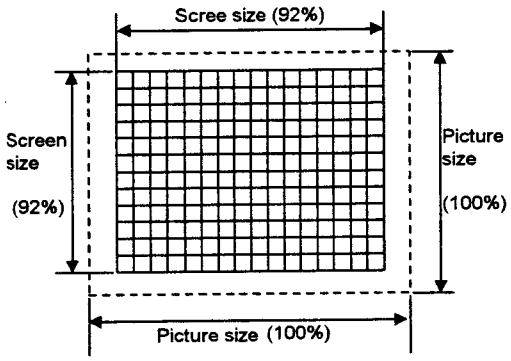
Item	Measuring instrument	Test point	Adjustment part	Description
RF. AGC adjustment			No.19 RF AGC	1. Receive a broadcast. 2. Select "No.19 RF AGC" of the PICTURE MODE. 3. Press the MUTE key and turn off color. 4. With the MENU LEFT key, get noise in the screen picture. (0 side of setting value) 5. Press the MENU RIGHT key and stop when noise disappears from the screen. 6. Change to other channels and make sure that there Is no irregularity. 7. Press the MUTE key and get color out.

ADJUSTMENT OF FOCUS

Item	Measuring instrument	Test point	Adjustment part	Description
FOCUS adjustment	Signal generator		FOCUS VR [built-in HVT]	1. Receive a crosshatch signal. 2. While looking at the screen, adjust FOCUS VR so that the vertical and horizontal lines will be clear and in fine detail. 3. Make sure that the picture is in focus even when the screen gets darkened.

ADJUSTMENT OF DEFLECTION CIRCUIT

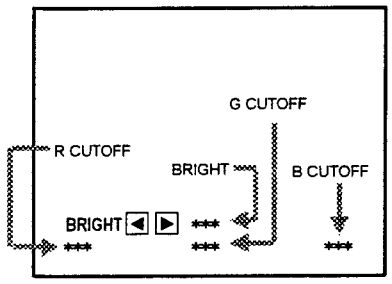
Item	Measuring instrument	Test point	Adjustment part	Description
V.CENTER, V.SIZE and V.POSITION adjustment	**Signal generator**		**No.14 V SIZE** **No.15 V CENTER** **V.CENTER SW (S1421)**	1. Receive a crosshatch signal. 2. Make sure that the "No.15 V CENTER" of the PICTURE SERVICE MODE is 0. 3. Use the LEFT/RIGHT keys of the MENU to set the initial setting value for the No.14 V SIZE. 4. Adjust the vertical SCREEN size to 92% with the No.14 V SIZE and S1421 (V.CENTER SW).
H.WIDTH, SIDEPIN CORRECT and H.POSITION adjustment	**Signal generator**		**No.16 H POSITION** **SIDEPIN CORRECT VR (R1579)** **H.WIDTH VR (R1581)**	1. Receive a crosshatch signal. 2. Adjust the SIDEPIN CORRECT. VR(R1579) so that vertical lines at both side of the crosshatch are straight. 3. Select the "No.16 H POSITION" of the PICTURE SERVICE MODE. 4. Press the LEFT/RIGHT keys of the MENU to set the initial setting values for the "No.16 H POSITION". 5. Adjust the "No.16 H POSITION" until the screen will be horizontally centered. 6. Adjust the H.WIDTH VR(R1581) so that 92% of the overall crosshatch is displayed on the screen. 7. As required, repeat above steps 2 and 6.

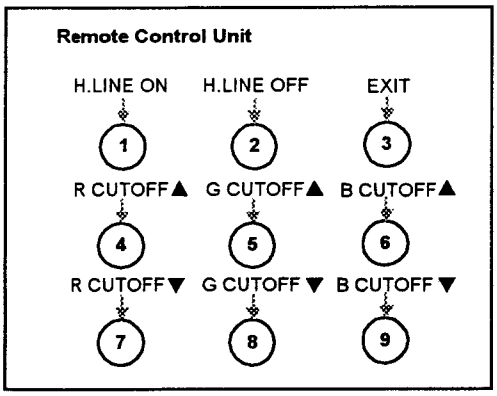


ADJUSTMENT OF VIDEO / CHROMA CIRCUIT

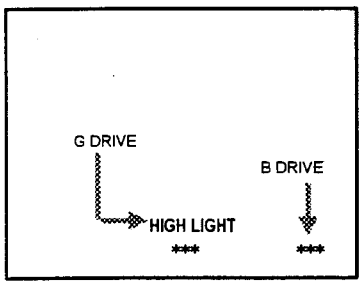
<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>WHITE BALANCE (Low Light) adjustment</td><td>Signal generator</td><td></td><td>BRIGHT
R CUTOFF
G CUTOFF
B CUTOFF
SCREEN VR</td><td>1. Receive a black-and-white signal. (Color off)
2. Select the [LOW LIGHT] MODE from the SERVICE MENU.
3. Set the initial setting value of "BRIGHT" with the LEFT/RIGHT key of the remote control unit.
4. Set the initial setting value of "R CUTOFF", "G CUTOFF" and "B CUTOFF" with the ④ to ⑨ keys of the remote control unit.
5. Display single horizontal line by pressing the ① key of the remote control unit.
6. Turn the screen VR all the way to the left.
7. Turn the screen VR gradually to the right from the left until either one of the red, blue or green colors appears faintly.
8. Adjust the two colors which did not appear until the single horizontal line that is displayed becomes white using the ④ to ⑨ keys of the remote control unit.
9. Turn the screen VR until the single horizontal line is displayed faintly.
10. Press the ② key to return to the regular screen.
* The ③ EXIT key is the cancel key for the WHITE BALANCE.</td></tr>
<tr><td>WHITE BALANCE (High Light) adjustment</td><td>Signal generator</td><td></td><td>G DRIVE
B DRIVE</td><td>1. Receive a black-and-white signal. (Color off)
2. Select the [HIGH LIGHT] MODE in the SERVICE MENU.
3. Set the initial setting value of "G DRIVE" and "B DRIVE" with the ⑤, ⑥, ⑧ and ⑨ keys of the remote control unit.
4. Adjust the screen until it becomes white using the ⑤, ⑥, ⑧ and ⑨ keys of the remote control unit.
* The ③ EXIT key is the cancel key for the WHITE BALANCE.</td></tr>
</table>

[LOW LIGHT] MODE





[HIGH LIGHT] MODE



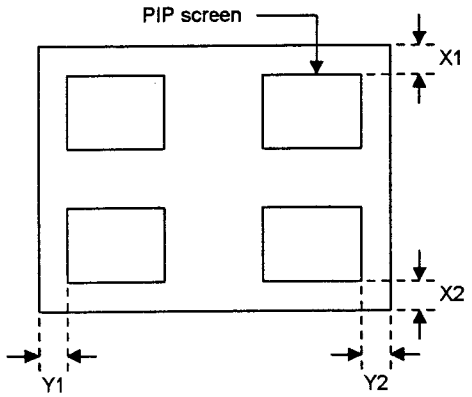
Remote Control Unit

①key : H.LINE ON
②key : H.LINE OFF
③key : EXIT
⑤key : G DRIVE ▲
⑥key : B DRIVE ▲
⑧key : G DRIVE ▼
⑨key : B DRIVE ▼

Item	Measuring instrument	Test point	Adjustment part	Description
SUB BRIGHT adjustment			**No.1 BRIGHT**	1. Receive a broadcast. 2. Select "No.1 BRIGHT" of the PICTURE MODE. 3. Set the initial setting value of the "No.1 BRIGHT" with the LEFT/RIGHT key of the MENU. 4. If the brightness is not the best with the initial setting value, make fine adjustment of the "No.1 BRIGHT" until you get the optimum brightness.
SUB CONTRAST adjustment			**No.2 PICTURE**	1. Receive a broadcast. 2. Select "No.2 PICTURE" of the PICTURE MODE. 3. Set the initial setting value of the "No.2 PICTURE" with the LEFT/RIGHT key of the MENU. 4. If the contrast is not the best with the initial setting value, make fine adjustment of the "No.2 PICTURE" until you get the optimum contrast.
SUB COLOR adjustment			**No.7 COLOR**	1. Receive a broadcast. 2. Select "No.7 COLOR" of the PICTURE MODE. 3. Set the initial setting value of the "No.7 COLOR" with the LEFT/RIGHT key of the MENU. 4. If the color is not the best with the Initial setting value, make fine adjustment of the "No.7 COLOR" until you get the optimum color.
SUB TINT adjustment			**No.6 TINT**	1. Receive a broadcast. 2. Select "No.6 TINT" of the PICTURE MODE. 3. Set the initial setting value of the "No.6 TINT" with the LEFT/RIGHT key of the MENU. 4. If the tint is not the best with the initial setting value, make fine adjustment of the "No.6 TINT" until you get the optimum tint.

ADJUSTMENT OF PIP CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
PIP WHITE BALANCE adjustment	**Signal generator**		**No.14 G GAIN** **No.15 B GAIN**	1. Receive a black-and-white signal.(Color off) 2. Select the "No.14 G GAIN, No.15 B GAIN" of the PIP SERVICE MODE. 3. Set the corresponding initial setting values with the LEFT/RIGHT key of the menu. 4. Adjust the "No.14 G GAIN, No.15 B GAIN" until the screen becomes white.
PIP DISPLAY POSITION adjustment	**Signal generator**		**No.2 V POSITION** **No.3 LOWER POS.** **No.4 H POSITION** **No.5 RIGHT POS.**	1. Receive a black-and-white signal.(Color off) 2. Select the "No.2 V POSITION" of the PIP SERVICE MODE. 3. Set the initial setting value of the No.2 V POSITION" with the LEFT/RIGHT key of the menu. 4. Adjust the "No.2 V POSITION" so that the position of the PIP screen edge of upper will be at X1 as shown. 5. Adjust the corresponding modes of "No.3, No.4, No.5" with the same steps as 2~4 above.



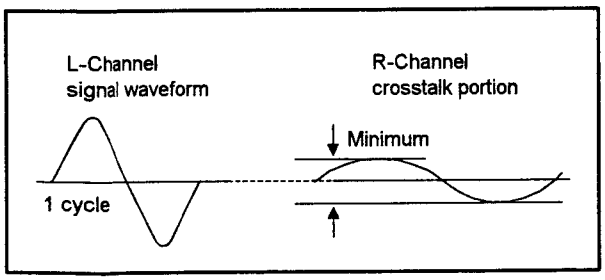
PIP SERVICE MODE No.	Item	PIP Setting position Approx. (mm)
No.2	UPPER POSITION (X1)	35
No.3	LOWER POSITION (X2)	35
No.4	H POSITION (Y1)	45
No.5	RIGHT POSITION (Y2)	45

Item	Measuring instrument	Test point	Adjustment part	Description
PIP SUB CONTRAST adjustment			**No.13 CONTRAST**	1. Receive a broadcast. 2. Select "No.13 CONTRAST" of the PIP SERVICE MODE. 3. Set the initial setting value of the "No.13 CONTRAST" with the LEFT/RIGHT key of the menu. 4. If the contrast Is not the best will the Initial setting value, make fine adjustment of the "No.13 CONTRAST" until you get the optimum contrast.
PIP SUB COLOR adjustment			**No.12 COLOR**	1. Receive a broadcast. 2. Select "No.12 COLOR" of the PIP SERVICE MODE. 3. Set the initial setting value of the "No.12 COLOR" with the LEFT/RIGHT key of the menu. 4. If the color is not the best with the initial setting value, make fine adjustment of the "No.12 COLOR" until you get the optimum color.
PIP SUB TINT adjustment			**No.11 TINT**	1. Receive a broadcast. 2. Select "No.11 TINT" of the PIP SERVICE MODE. 3. Set the initial setting value of the "No.11 TINT" with the LEFT/RIGHT key of the menu. 4. If the tint is not the best with the initial setting value, make fine adjustment of the "No.11 TINT" until you get the optimum tint.

ADJUSTMENT OF MTS CIRCUIT

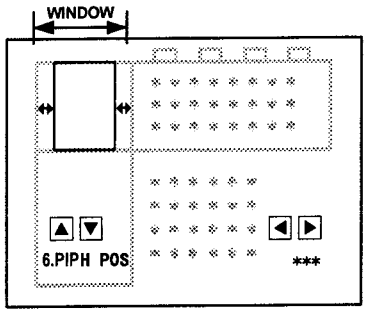
Item	Measuring instrument	Test point	Adjustment part	Description
MTS INPUT LEVEL check			**No.4 IN LEVEL**	1. Select the "No.4 IN LEVEL" of the SOUND MODE. 2. Verify that the "No.4 IN LEVEL" is set at its initial setting value.
MTS STEREO VCO adjustment	**Signal generator** **Frequency counter**	**【MPX】 Connector 【2】 pin RTV [AV SELECTOR PWB]**	**No.5 FH MONITER** **No.6 STEREO VCO**	1. Receive a RF signal (nonmodulated sound signal) from the antenna terminal. 2. Select the "No.5 FH MONITER" of SOUND MODE, and change the setting value from 0 to 1. 3. Connect the Frequency Counter to pin 【2】 of 【MPX】 connector. 4. Select the "No.6 STEREO VCO". 5. Set the initial setting value of the "No.6 STEREO VCO" with the LEFT/RIGHT key of the menu. 6. Adjust the "No.6 STEREO VCO" so that the Frequency Counter will display 15.73kHz±0.1kHz. 7. Select the "No.5 FH MONITER" of the SOUND MODE, and reset the setting value from 1 to 0.

Item	Measuring instrument	Test point	Adjustment part	Description
MTS SAP VCO adjustment	**Signal generator**	**【MPX】 Connector 【4】 pin SDA 【3】 pin GND 【2】 pin RTV [AV SELECTOR PWB]**	**No.11 5FH MON.** **No.12 SAP VCO**	1. Receive a RF signal (non modulated sound signal) from the antenna terminal. 2. Connect between pin【4】of【MPX】connector and GND (Pin【3】of【MPX】connector) through 1MΩ Resistor. 3. Select the "No.11 5FH MON." of the SOUND MODE, and reset the setting value from 0 to 1. 4. Connect the Frequency Counter to pin【2】(R.OUT) of【MPX】connector. 5. Select the "No.12 SAP VCO". 6. Set the initial setting value of "No.12 SAP VCO" with the LEFT/RIGHT key of the menu. 7. Adjust the "No.12 SAP VCO" so that the Frequency Counter will display 78.67kHz±0.5kHz. 8. Select the "No.11 5FH MON." of the SOUND MODE, and reset the setting value from 1 to 0.
MTS FILTER check			**No.8 FILTER**	1. Select the "No.8 FILTER" of the SOUND MODE. 2. Verify that the "No.8 FILTER" is set at its initial setting value.
MTS SEPARATION adjustment	**TV audio multiplex signal generator** **Oscilloscope**	**【MPX】 Connector 【1】 pin LTV 【2】 pin RTV [AV SELECTOR PWB]**	**No.9 LOW SEP.** **No.10 HI SEP.**	1. Input a stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal. 2. Connect an oscilloscope to pin【1】(L OUT) of【MPX】connector, and display one cycle portion of the 300Hz signal. 3. Change the connection of the oscilloscope to pin【2】(R OUT) of【MPX】connector, and enlarge the voltage axis. 4. Select the "No.9 LOW SEP." of the SOUND MODE. 5. Set the initial setting value of the "No.9 LOW SEP." with the LEFT/RIGHT key of the menu. 6. Adjust the "No.9 LOW SEP." so that the stroke element of the 300Hz signal will become minimum. 7. Change the signal to 3kHz, and similarly adjust the "No.10 HI SEP.".



ADJUSTMENT OF GUIDE PLUS+ MODE

Item	Measuring instrument	Test point	Adjustment part	Description
GUIDE PLUS + SCREEN POSITION adjustment	Signal generator		No.6 PIP H POS.	1. Receive a broadcast. 2. Select the "No.6 PIP H POS." of the GUIDE PLUS+ MODE. 3. Set the initial setting value of the "No.6 PIP H POS." with the LEFT/RIGHT key of the MENU. 4. Adjust the "No.6 PIP H POS." so that the PIP screen comes into the position in the screen window of the GUIDE PLUS+. 5. Before exiting from the GUIDE PLUS + MODE, always select the "No.9 INITIALIZE" and press the LEFT/RIGHT key. (The screen will be turned into black and the word "INITIALIZE" will flash for about 10 seconds.) When the "No.9 INITIALIZE" is displayed on the screen again, exit from the GUIDE PLUS+ MODE.



HOW TO CHECK THE HIGH VOLTAGE HOLD DOWN CIRCUIT

1. HIGH VOLTAGE HOLD DOWN CIRCUIT

After repairing the high voltage hold down circuit shown in Fig. 1.
This circuit shall be checked to operate correctly.

2. CHECKING OF THE HIGH VOLTAGE HOLD DOWN CIRCUIT

(1) Turn the POWER SW ON.
(2) As shown in Fig.2, set the resistor (between 【X】 connector 【1】 & 【3】).
(3) Make sure that the screen picture disappears.
(4) Temporarily unplug the power cord.
(5) Remove the resistor (between 【X】 connector 【1】 & 【3】).
(6) Again plug the power cord, make sure that the normal picture is displayed on the screen.

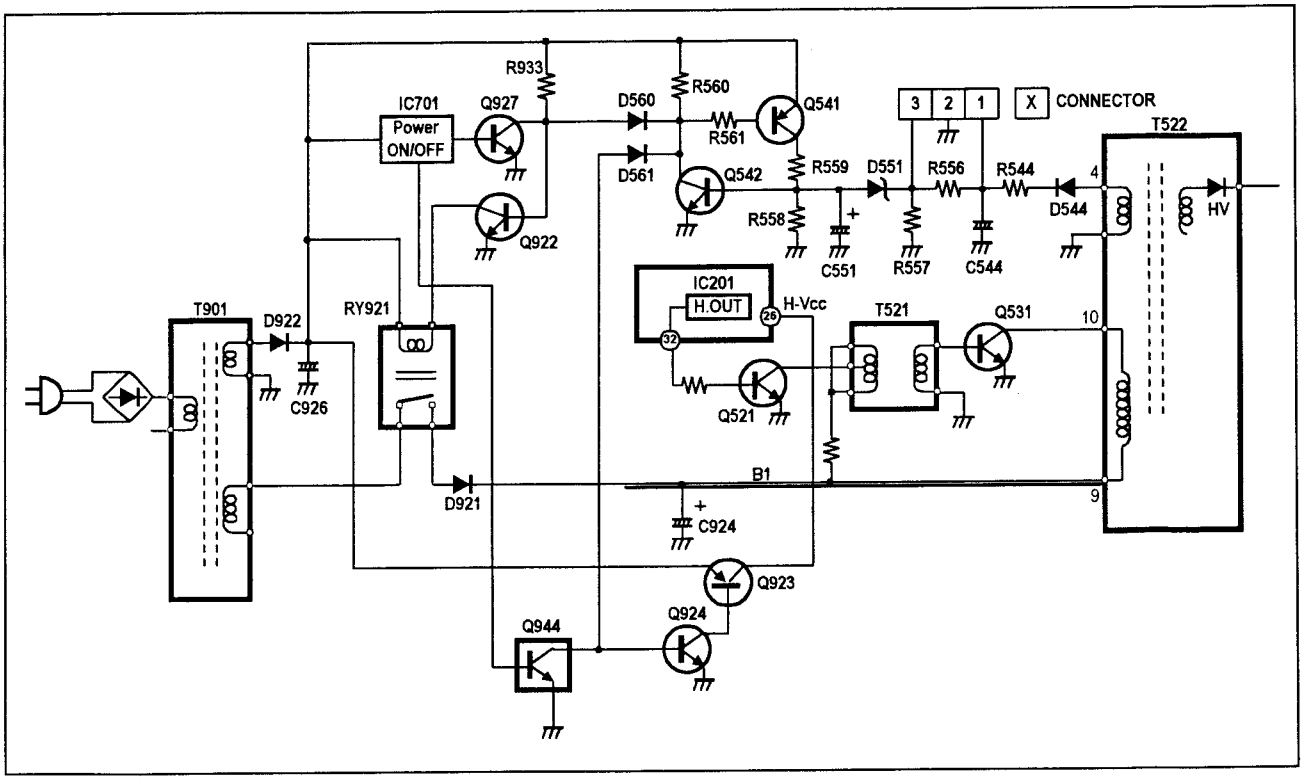


Fig.1

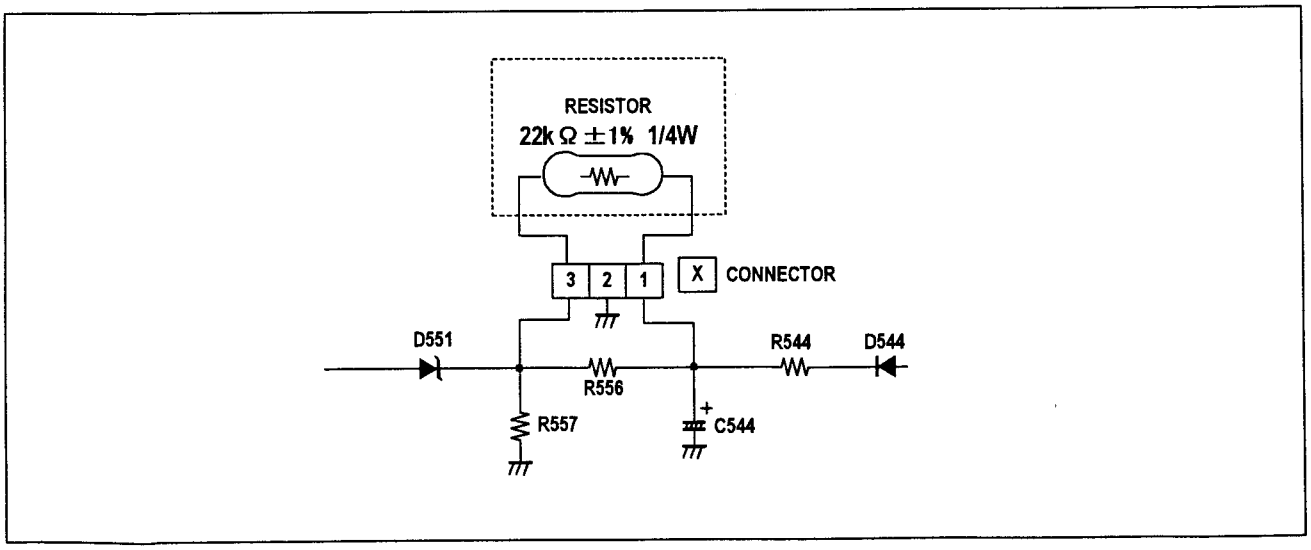


Fig.2

REPLACEMENT OF CHIP COMPONENT

■ CAUTIONS

1. Avoid heating for more than 3 seconds.
2. Do not rub the electrodes and the resist parts of the pattern.
3. When removing a chip part, melt the solder adequately.
4. Do not reuse a chip part after removing it.

■ SOLDERING IRON

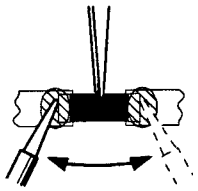
1. Use a high insulation soldering iron with a thin pointed end of it.
2. A 30w soldering iron is recommended for easily removing parts.

■ REPLACEMENT STEPS

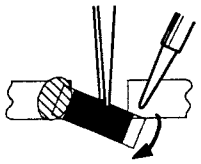
1. How to remove Chip parts

◆ **Resistors, capacitors, etc.**

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.

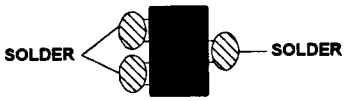


(2) Shift with tweezers and remove the chip part.

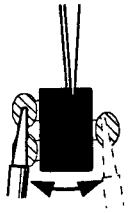


◆ **Transistors, diodes, variable resistors, etc.**

(1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.

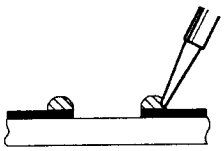


Note : After removing the part, remove remaining solder from the pattern.

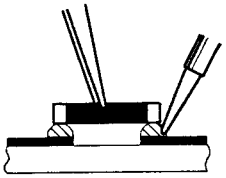
2. How to install Chip parts

◆ **Resistors, capacitors, etc.**

(1) Apply solder to the pattern as indicated in the figure.



(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

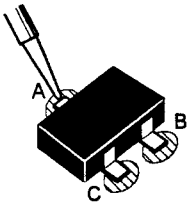


◆ **Transistors, diodes, variable resistors, etc.**

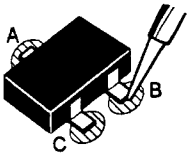
(1) Apply solder to the pattern as indicated in the figure.

(2) Grasp the chip part with tweezers and place it on the solder.

(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



AV-36950 (US&CA)
AV-36980 (US&CA)
AV-36985 (US&CA) STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the⚠ symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal : Color bar signal
(2)Setting positions of each knob/button and variable resistor :Original setting position when shipped
(3)Internal resistance of tester :DC 20kΩ/V
(4)Oscilloscope sweeping time :H ⇒ 20μS/div
:V ⇒ 5mS/div
:Others ⇒ Sweeping time is specified
(5)Voltage values :All DC voltage values

＊Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

●In the PW board :R1209→R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

●Resistance value

No unit	:[Ω]
K	:[KΩ]
M	:[MΩ]

●Rated allowable power

No indication	:1/10 [W]
Others	:As specified

●Type

No indication	:Carbon resistor
OMR	:Oxide metal film resistor
MFR	:Metal film resistor
MPR	:Metal plate resistor
UNFR	:Uninflammable resistor
FR	:Fusible resistor

*Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

●Capacitance value

1 or higher	:[pF]
less than 1	:[μF]

●Withstand voltage

No indication	:DC50[V]
Others	:DC withstand voltage [V]
AC indicated	:AC withstand voltage [V]

*Electrolytic Capacitors
47/50[Example]:Capacitance value [μF]/withstand voltage[V]

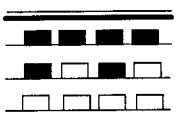
●Type

No indication	:Ceramic capacitor
MY	:Mylar capacitor
MM	:Metalized mylar capacitor
PP	:Polypropylene capacitor
MPP	:Metalized polypropylene capacitor
MF	:Metalized film capacitor
TF	:Thin film capacitor
BP	:Bipolar electrolytic capacitor
TAN	:Tantalum capacitor

(3)Coils

No unit	:[μH]
Others	:As specified

(4)Power Supply



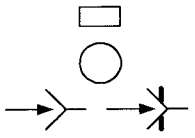
:B1(134V)
:B2(12V)
:9V
:5V

*Respective voltage values are indicated

(5)Test point

:Test point
:Only test point display

(6)Connecting method



:Connector
:Wrapping or soldering
:Receptacle

(7)Ground symbol

⊥ :LIVE side ground
⊥ :ISOLATED(NEUTRAL) side ground
⏚ :EARTH ground
▽ :DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⊥) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected , a fuse or any parts will be broken.

◇Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

Apr. 1998 No.51392

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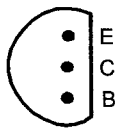
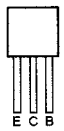
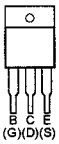
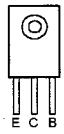
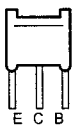
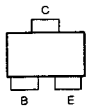
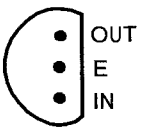
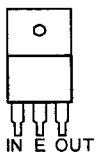
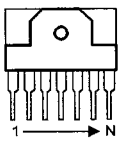
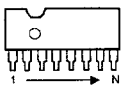
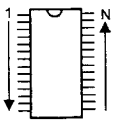
SEMICONDUCTOR SHAPES

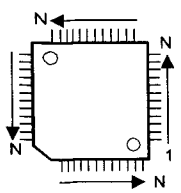
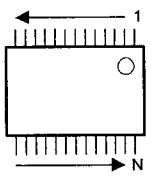
TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

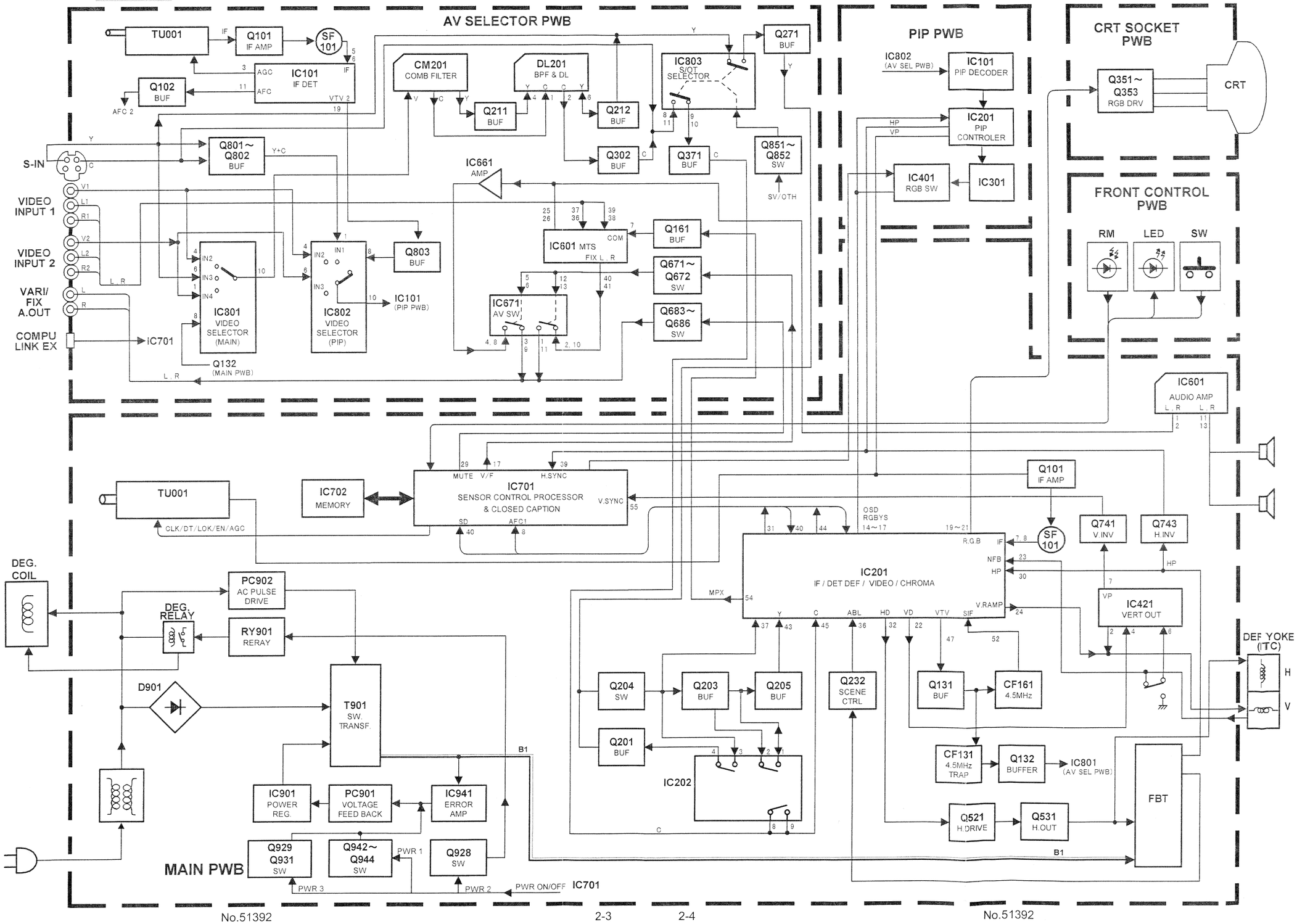
IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

CHIP IC

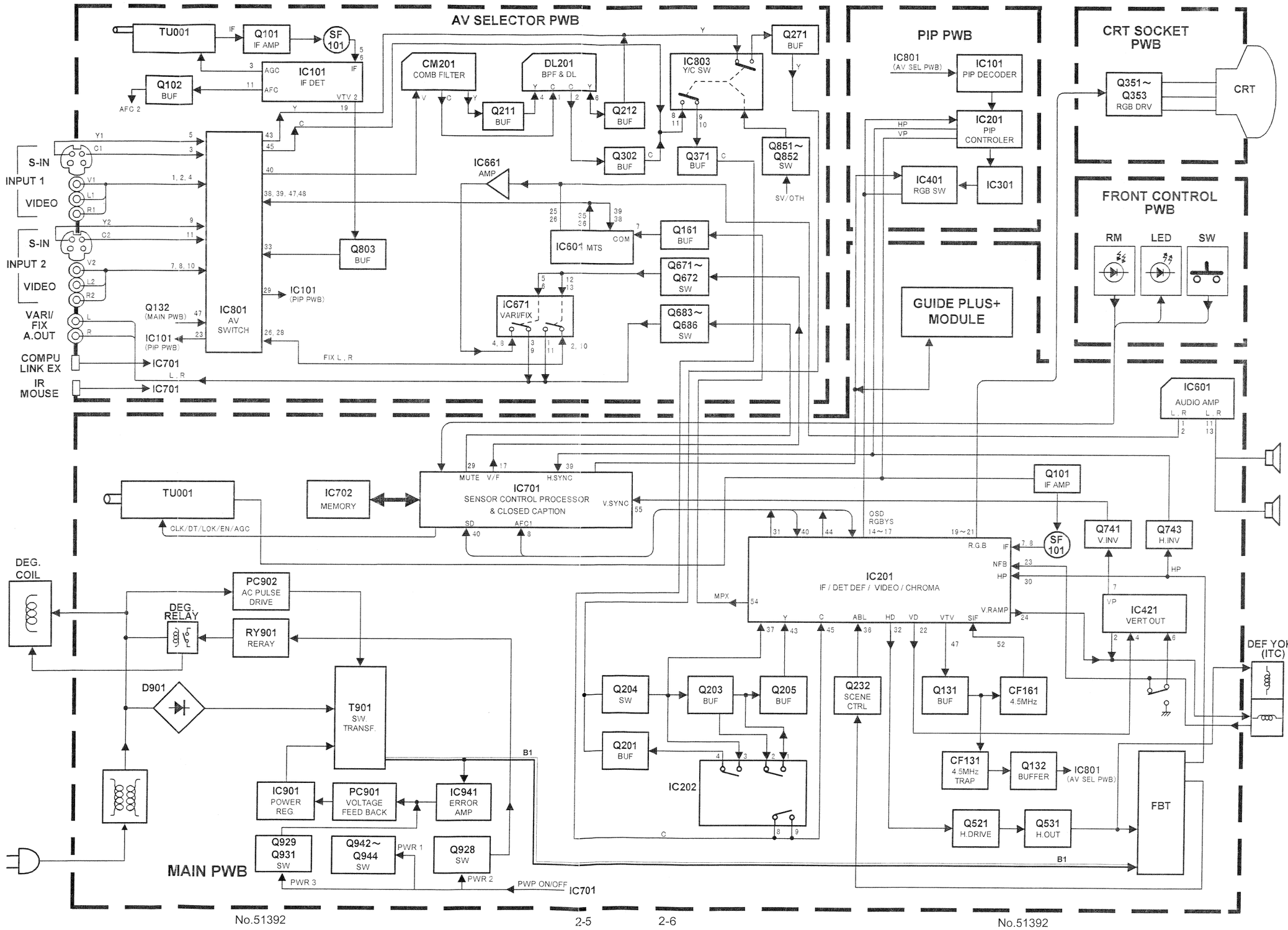
TOP VIEW		
		

BLOCK DIAGRAM [AV-36950]



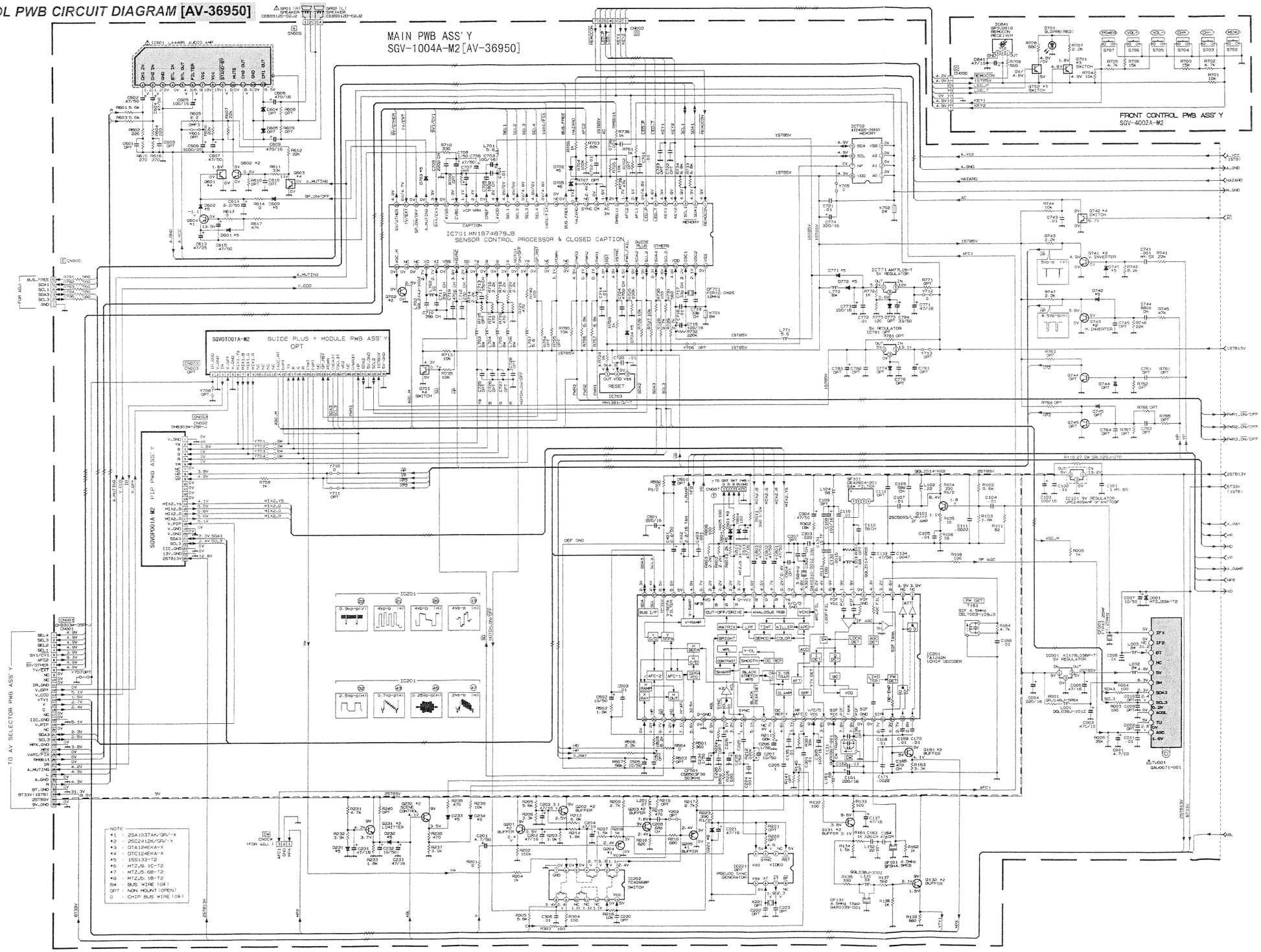
AV-36980
AV-36985

BLOCK DIAGRAM [AV-36980 / AV-36985]



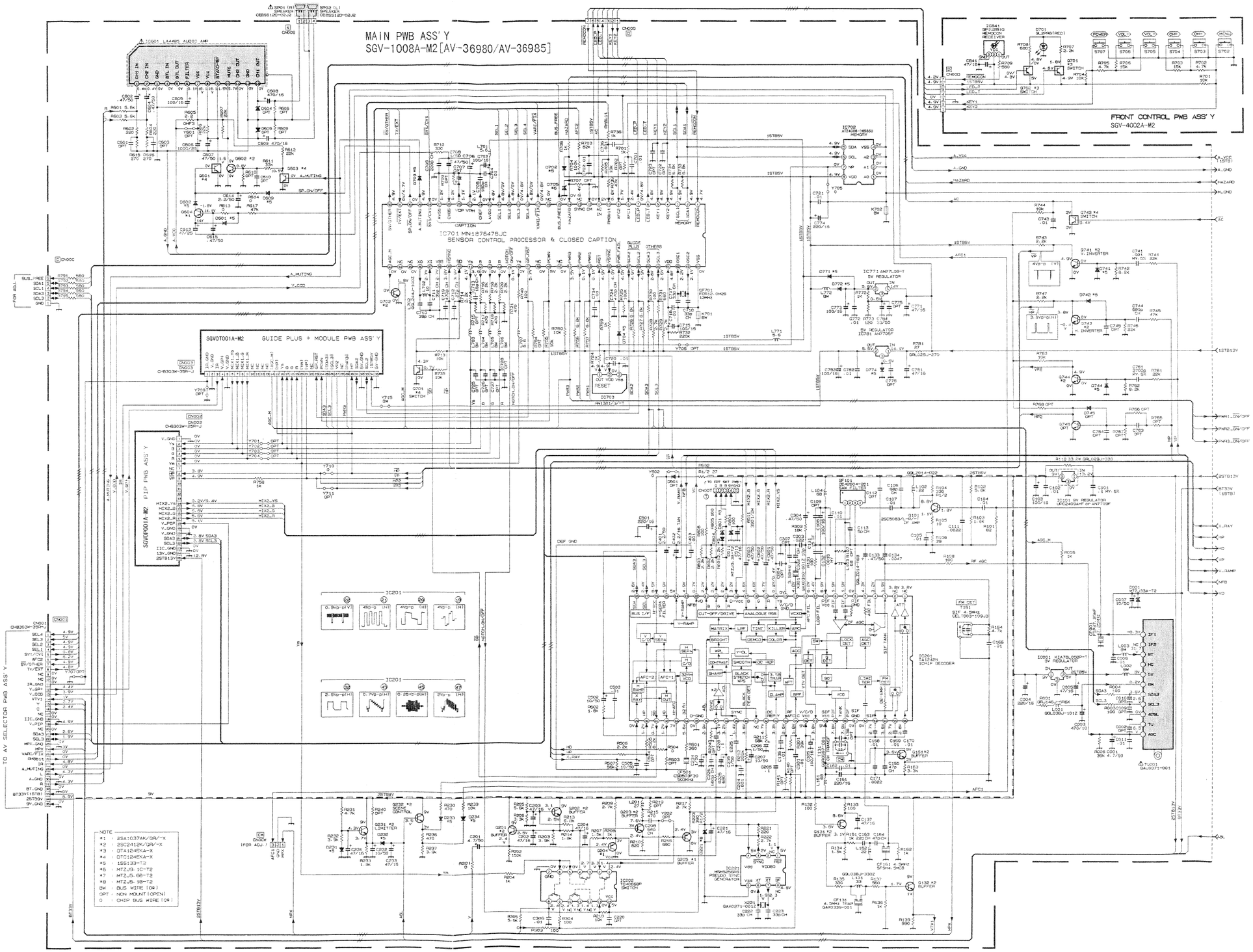
CIRCUIT DIAGRAMS

MAIN PWB & FRONT CONTROL PWB CIRCUIT DIAGRAM [AV-36950]



AV-36980
AV-36985

MAIN PWB & FRONT CONTROL PWB CIRCUIT DIAGRAM [AV-36980 / AV-36985]



AV-36950
AV-36980
AV-36985

MAIN PWB & CRT SOCKET PWB CIRCUIT DIAGRAM [AV-36950 / AV-36980 / AV-36985]

MAIN PWB
* DIFFERENCE LIST [*PARTS]

mark	AV-36950	AV-36980 36985
*	SGV-1004A-M2	SGV-1008A-M2
D929	OPT	*2
D931	OPT	*4
D941	OPT	MTZJ11B -15
R957	OPT	2.2k
R964	OPT	39k
C958	OPT	.047
C425	470/35	GETM1VM -108
C542	GETM1VM -108	GETM1VM -228
C541	22/250	4.7/250

CRT SOCKET PWB
* DIFFERENCE LIST [*PARTS]

mark	AV-36950	AV-36980 36985
*	SGV-3002A-M2	SGV-3003A-M2
C381	OPT	2.2/250
⚠C382	QCZ0121 -102 .001 3KV	QCZ9074 -103 .01 AC125V

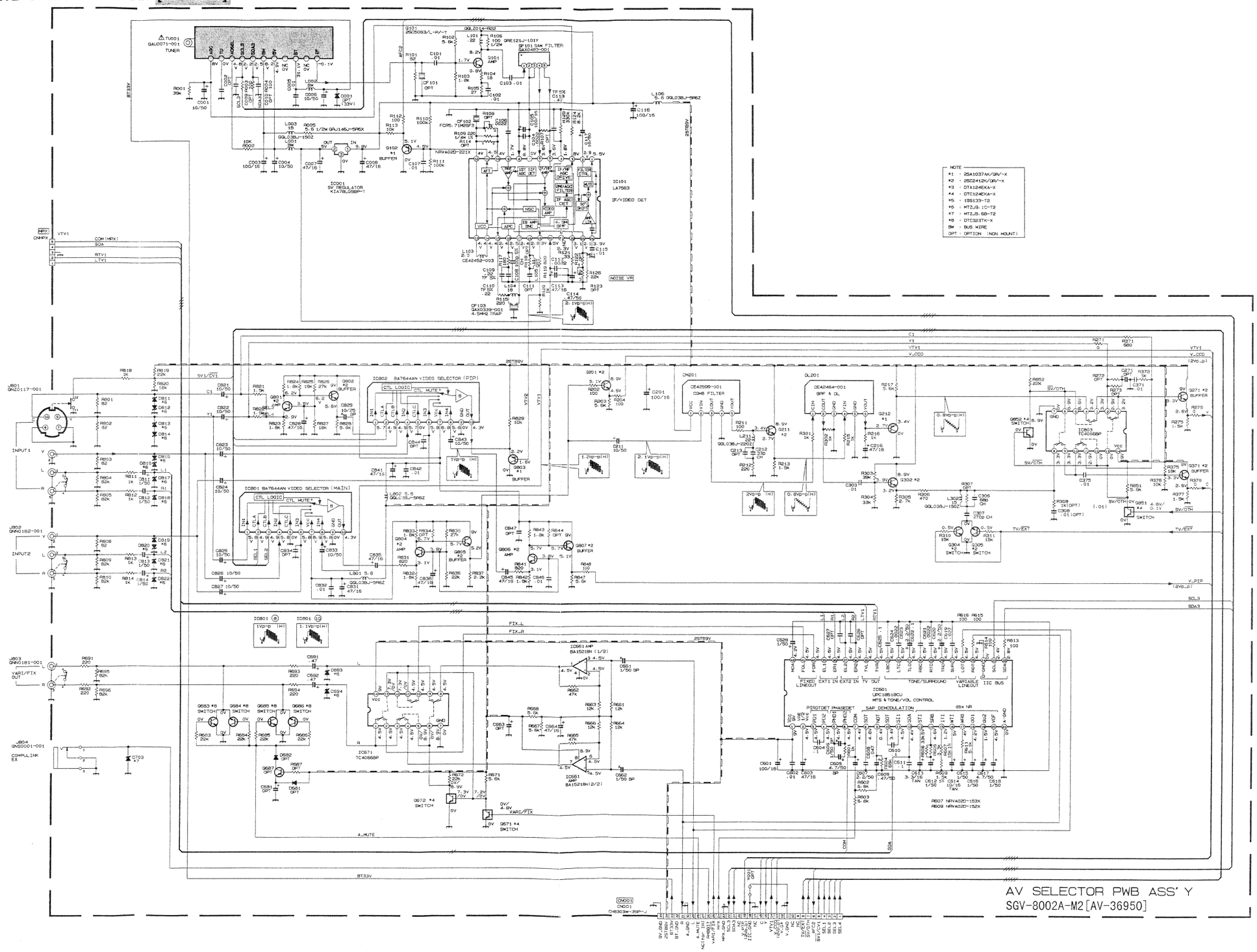
NOTE
*1 : 2SA1037AK/GR/-X
*2 : 2SC2412K/GR/-X
*3 : DTA124EKA-X
*4 : DTC124EKA-X
*5 : 1SS133-T2
*6 : MTZJ9.1C-T2
*7 : MTZJ5.6B-T2
BW : BUS WIRE
OPT : NON MOUNT [OPEN]
0 : CHIP BUS WIRE

MAIN PWB ASS'Y
SGV-1004A-M2 [AV-36950]
SGV-1008A-M2 [AV-36980/AV-36985]

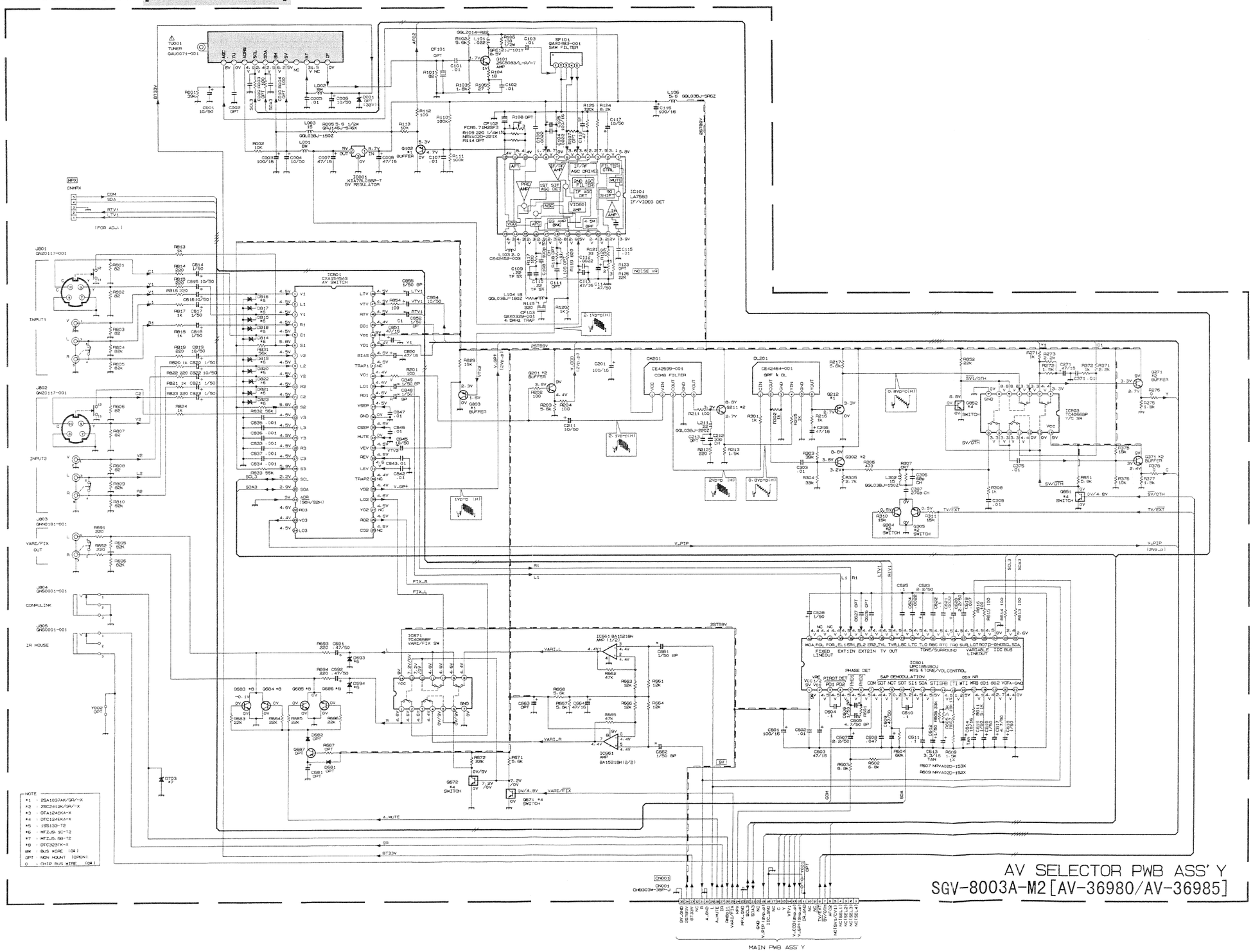
CRT SOCKET PWB ASS'Y
SGV-3002A-M2
[AV-36950]
SGV-3003A-M2
[AV-36980/AV36985]

⚠ V01
PICTURE TUBE
A90AEJ15X01
[AV-36950/AV-36980]
A90AFX15X01
[AV-36985]

AV SELECTOR PWB CIRCUIT DIAGRAM [AV-36950]



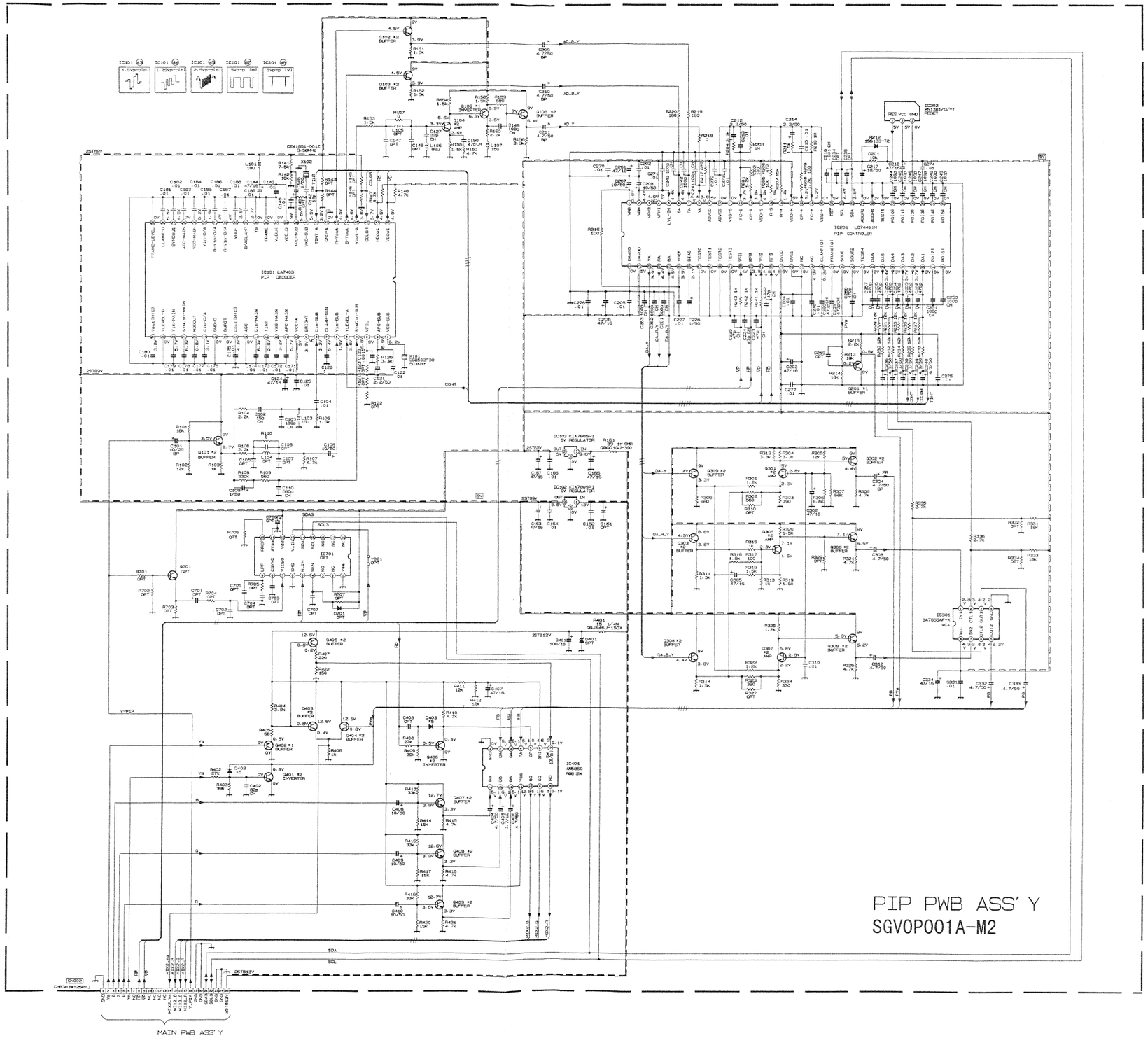
AV SELECTOR PWB CIRCUIT DIAGRAM [AV-36980 / AV-36985]



AV SELECTOR PWB ASS'Y
SGV-8003A-M2 [AV-36980/AV-36985]

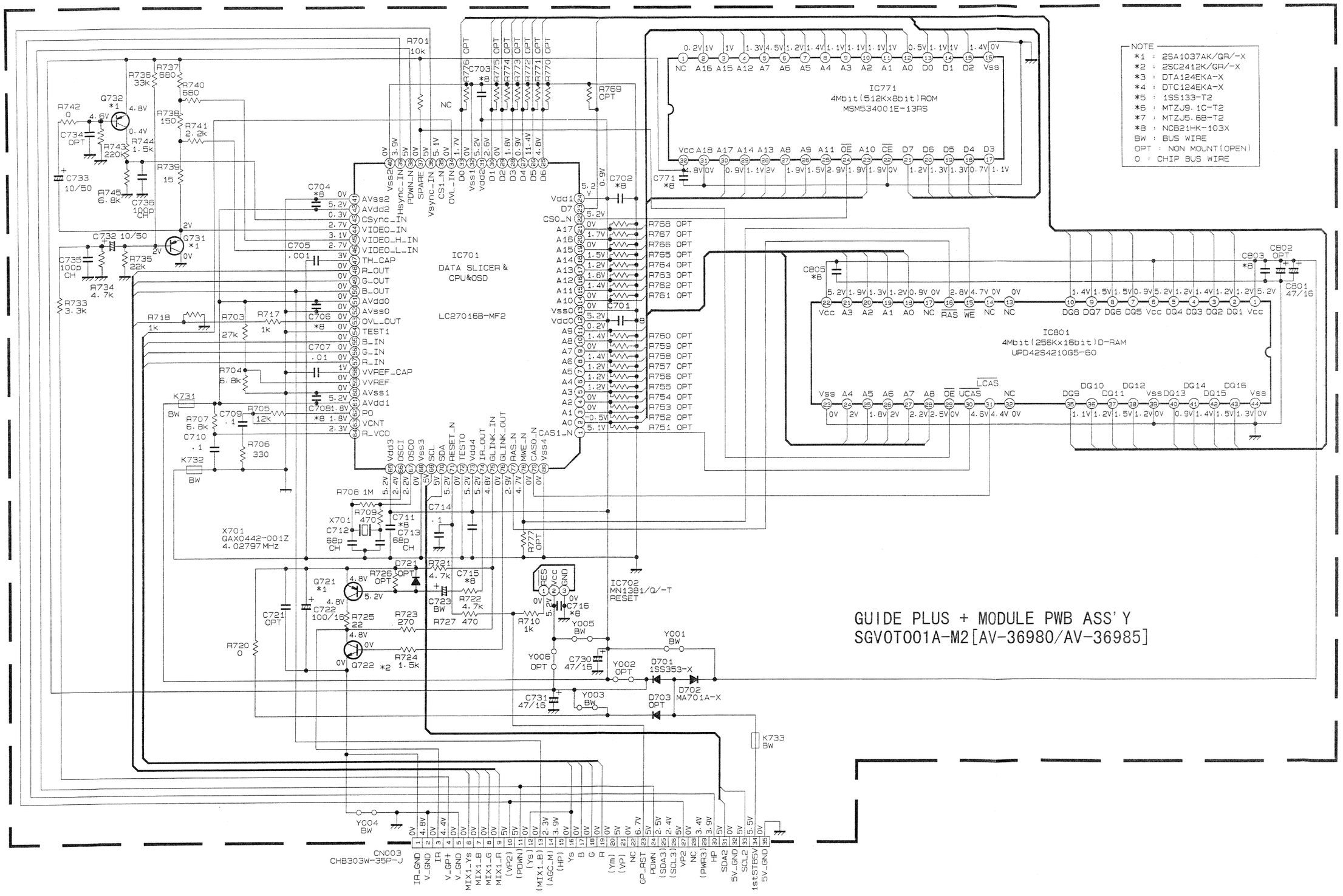
AV-36950
AV-36980
AV-36985

PIP PWB CIRCUIT DIAGRAM



AV-36980
AV-36985

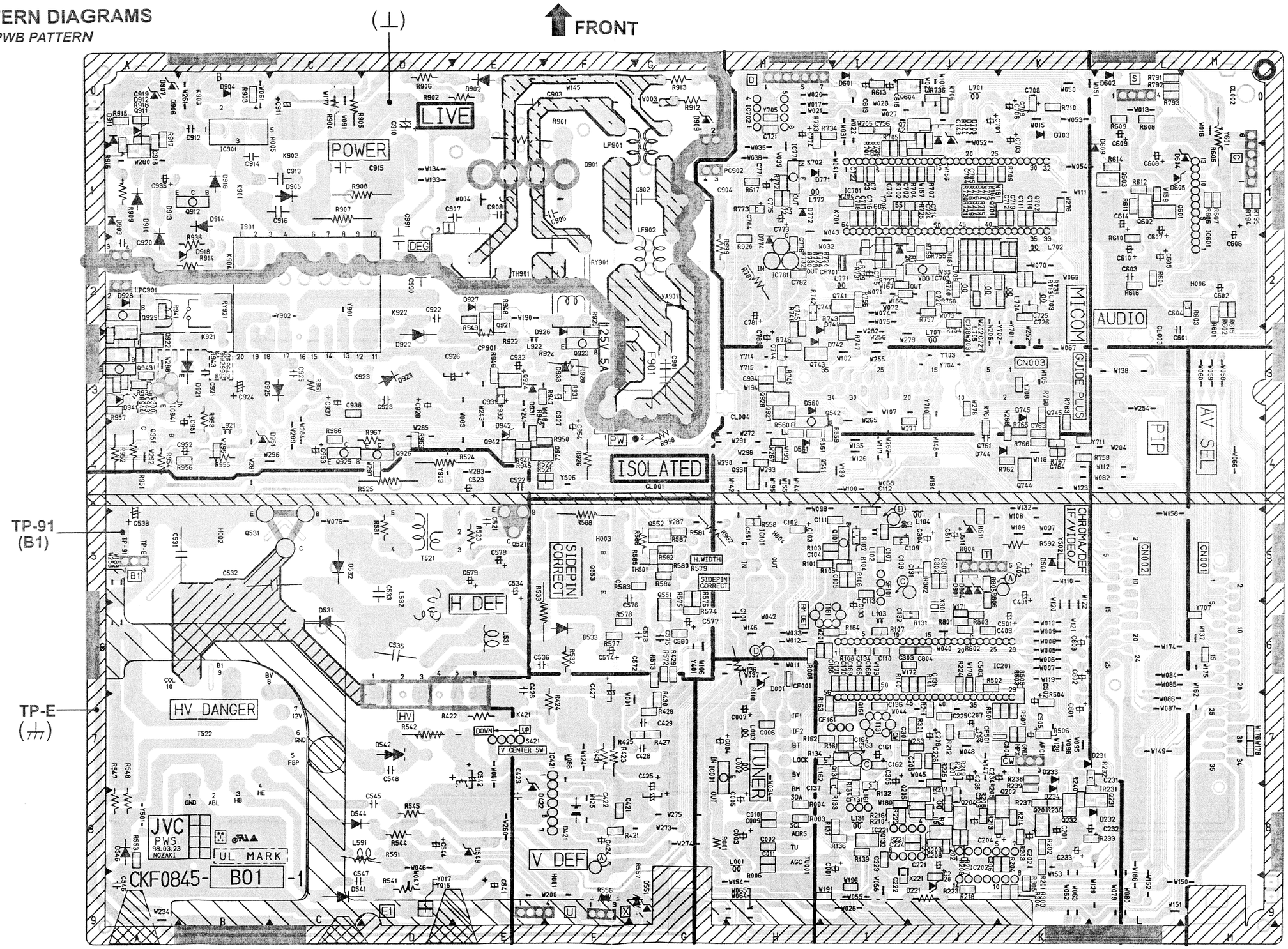
GUIDE PLUS + MODULE PWB CIRCUIT DIAGRAM [AV-36980 / AV-36985]



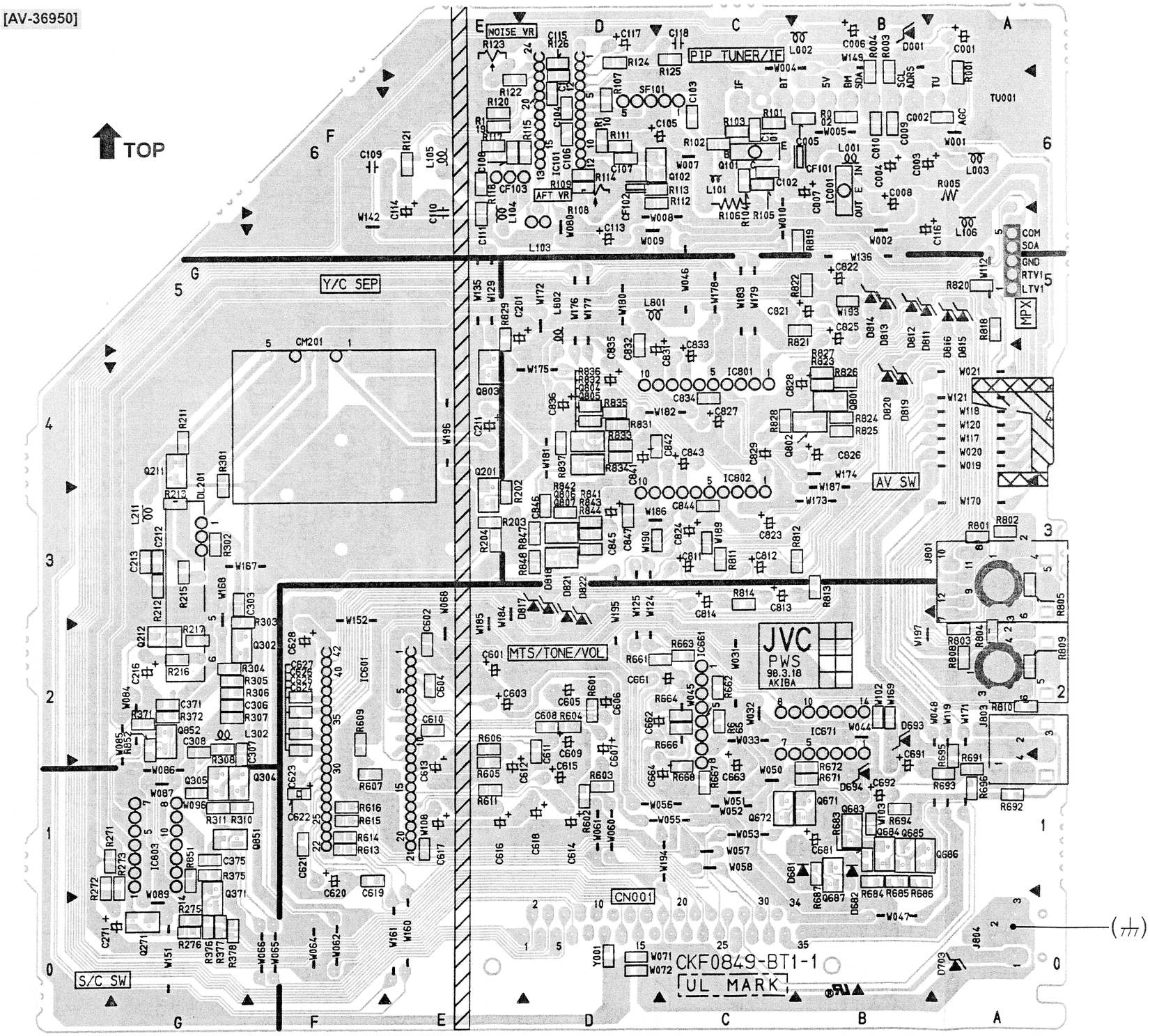
AV-36950
AV-36980
AV-36985

PATTERN DIAGRAMS

MAIN PWB PATTERN

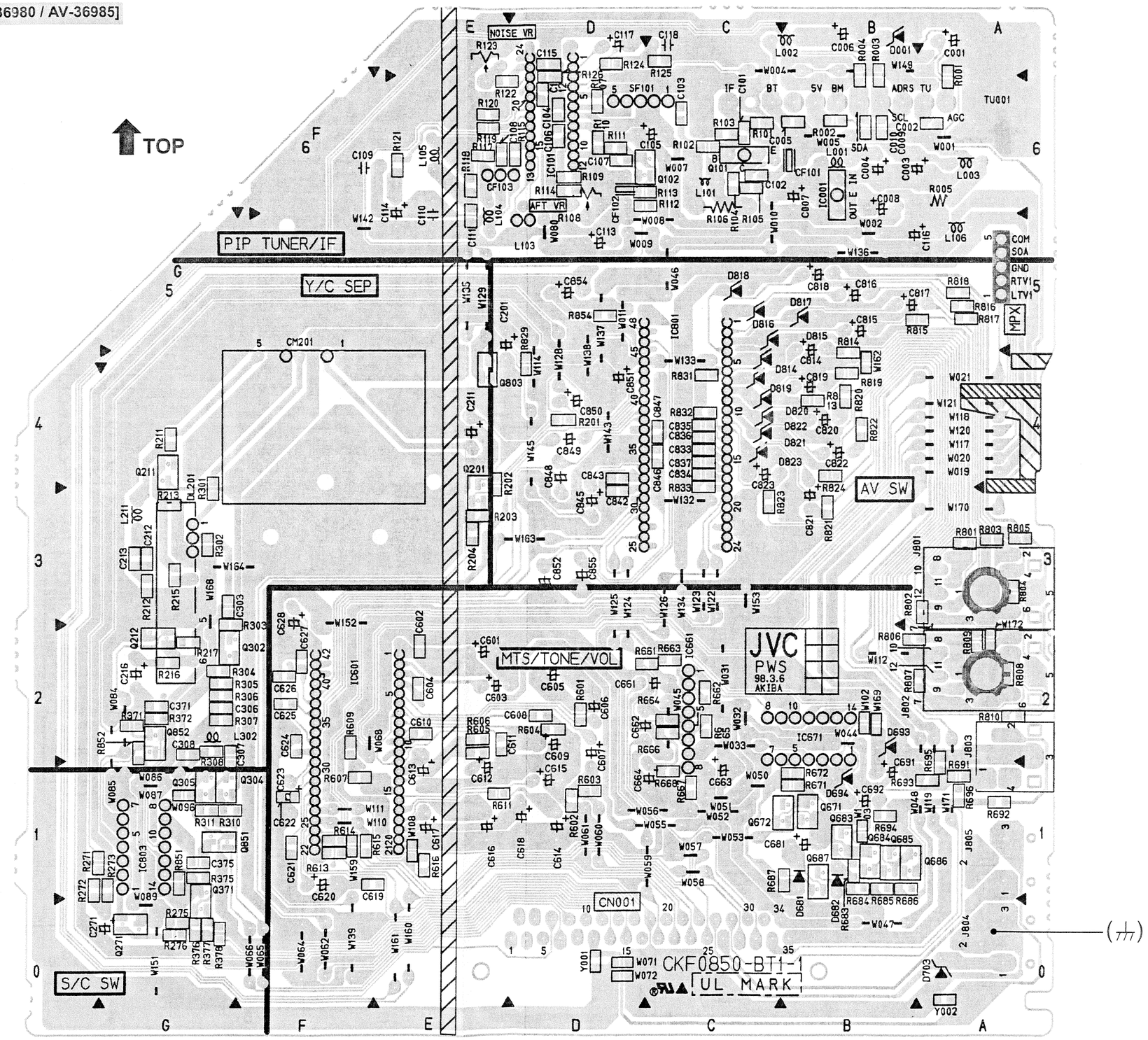


AV SELECTOR PWB PATTERN **[AV-36950]**



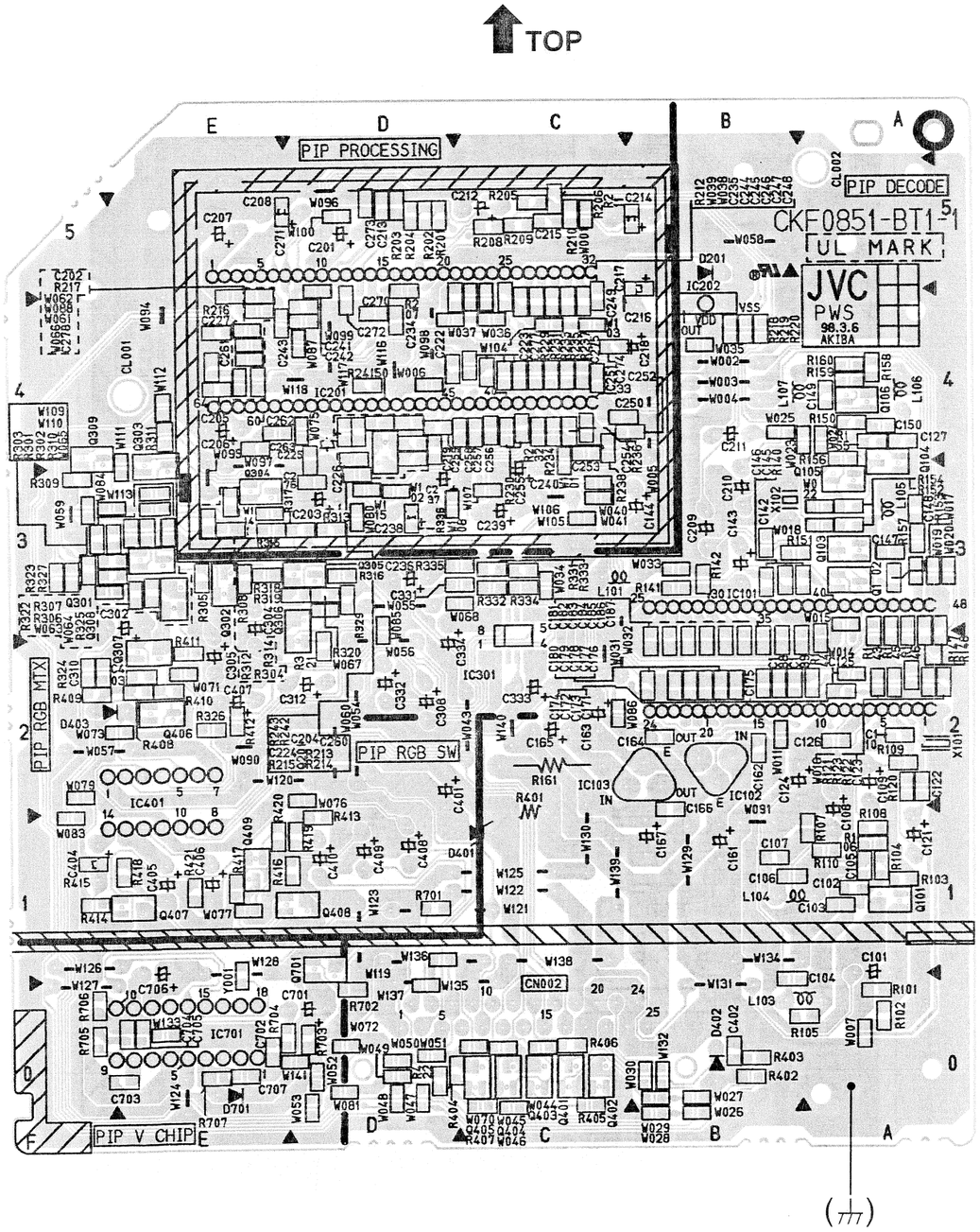
AV-36980
AV-36985

AV SELECTOR PWB PATTERN **[AV-36980 / AV-36985]**

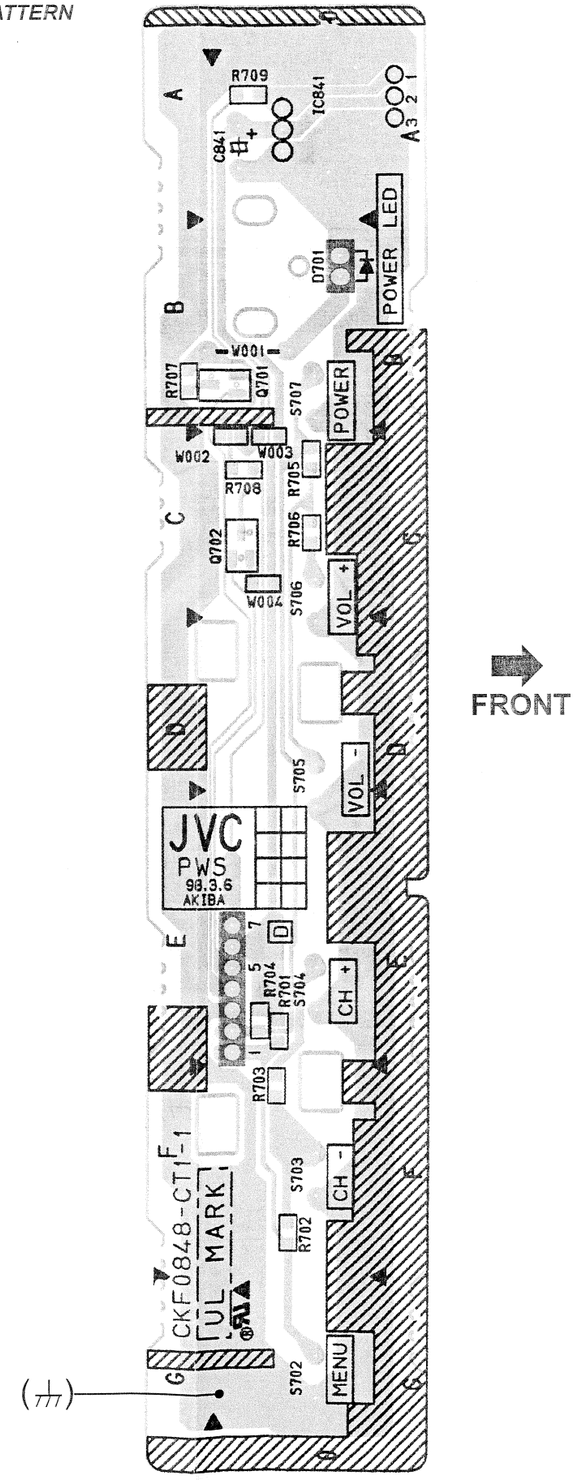


AV-36950
AV-36980
AV-36985

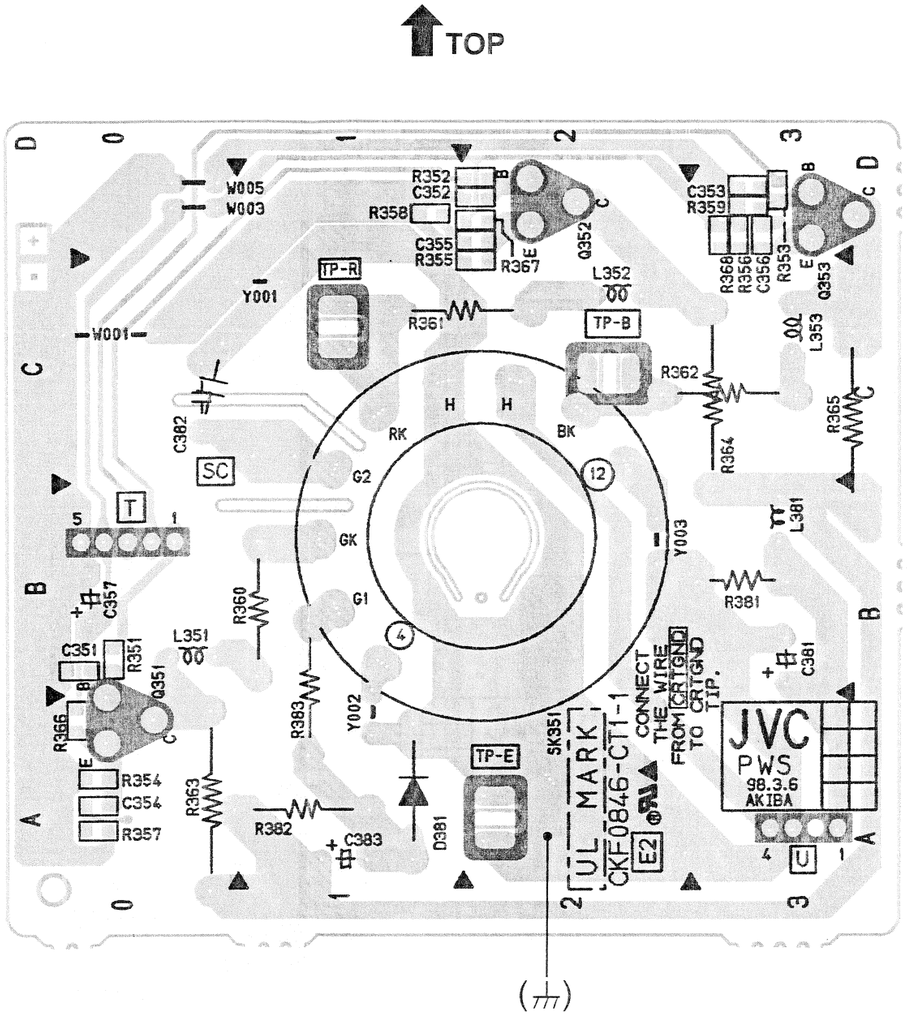
PIP PWB PATTERN



FRONT CONTROL PWB PATTERN

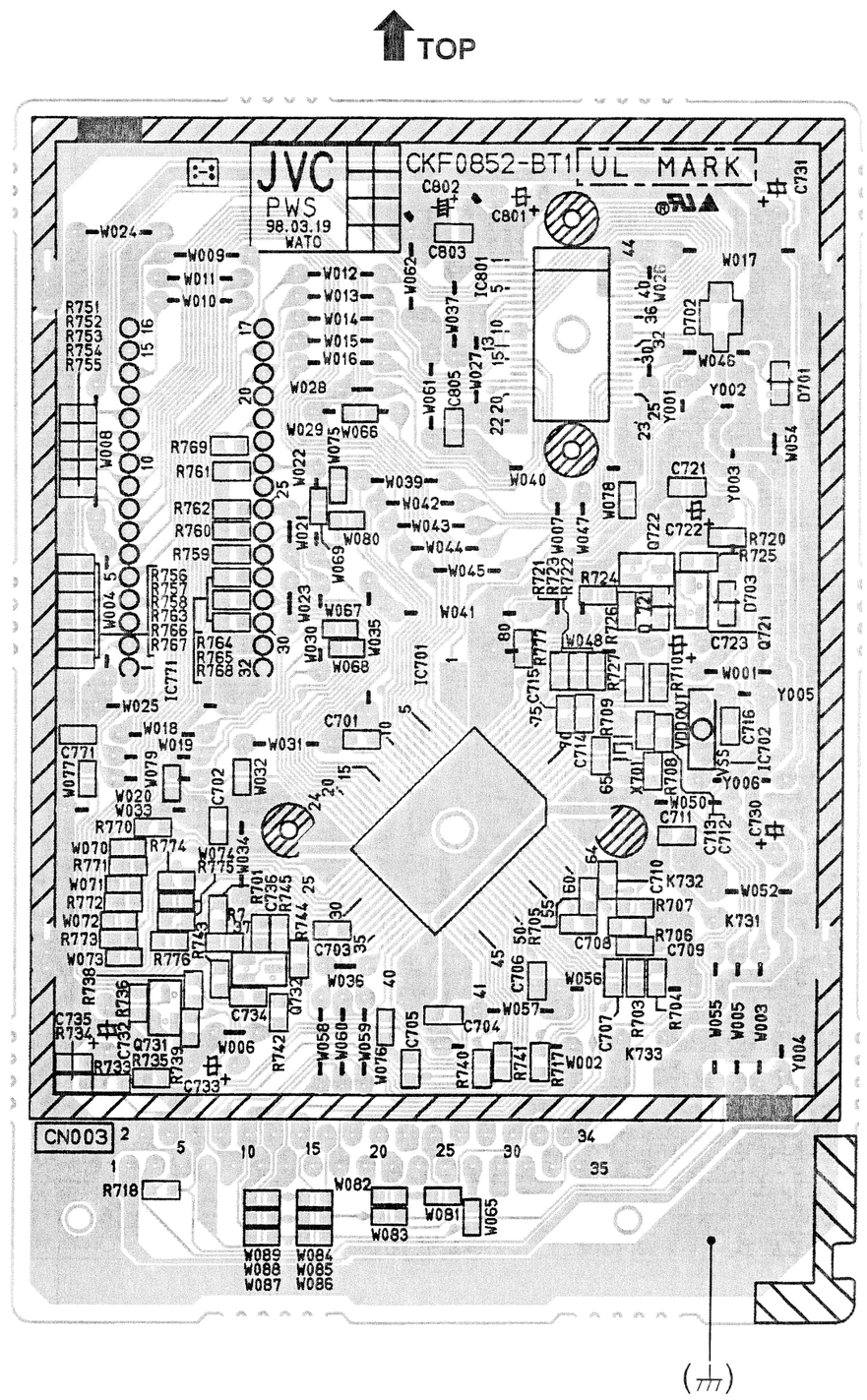


CRT SOCKET PWB PATTERN



AV-36950
AV-36980
AV-36985

GUIDE PLUS + MODULE PWB PATTERN



■CHANNEL CHART (US)

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
○	○	VL	02		I
			03		
			04		
			05		
			06		
		VH	07		II
			08		
			09		
			10		
			11		
			12		
			13		
×	○	MID	A	14	I
			B	15	
			C	16	II
			D	17	
			E	18	
			F	19	
			G	20	
			H	21	
			I	22	
		SUPER	J	23	
			K	24	
			L	25	
			M	26	
			N	27	
			O	28	
			P	29	
			Q	30	
			R	31	
			S	32	
			T	33	
			U	34	
			V	35	
			W	36	
		HYPER	W+1	37	
			W+2	38	
			W+3	39	
			W+4	40	
			W+5	41	
			W+6	42	
			W+7	43	
			W+8	44	
			W+9	45	
			W+10	46	
			W+11	47	
			W+12	48	IV
			W+13	49	
			W+14	50	
			W+15	51	
			W+16	52	
			W+17	53	
			W+18	54	
			W+19	55	
			W+20	56	
			W+21	57	
			W+22	58	
			W+23	59	
			W+24	60	
			W+25	61	
			W+26	62	
			W+27	63	
			W+28	64	
		ULTRA	W+29	65	
			W+30	66	
			W+31	67	
			W+32	68	
			W+33	69	
			W+34	70	

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
×	○	ULTRA	W+35	71	IV
			W+36	72	
			W+37	73	
			W+38	74	
			W+39	75	
			W+40	76	
			W+41	77	
			W+42	78	
			W+43	79	
			W+44	80	
			W+45	81	
			W+46	82	
			W+47	83	
			W+48	84	
			W+49	85	
			W+50	86	
			W+51	87	
			W+52	88	
			W+53	89	
			W+54	90	
			W+55	91	
			W+56	92	
			W+57	93	
			W+58	94	
			W+59	100	
			W+60	101	
			W+61	102	
			W+62	103	
			W+63	104	
			W+64	105	
			W+65	106	
			W+66	107	
			W+67	108	
			W+68	109	
			W+69	110	
			W+70	111	
			W+71	112	
			W+72	113	
			W+73	114	
			W+74	115	
			W+75	116	
			W+76	117	
			W+77	118	
			W+78	119	
			W+79	120	
			W+80	121	
			W+81	122	
			W+82	123	
			W+83	124	
			W+84	125	
		SUB MID	A-8	01	I
			A-4	96	
			A-3	97	
			A-2	98	
			A-1	99	
○	×	UHF	14 ~ 69		IV

TOTAL 180CH
{ VHF 124CH
{ UHF 56CH

NOTE:
TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES.
SPECIAL ADAPTERS MAY BE REQUIRED.

■CHANNEL CHART (CA)

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP	
○	○	VL	02		I
			03		
			04		
			05		
			06		
		VH	07		II
			08		
			09		
			10		
			11		
			12		
			13		
×	○	MID	A	14	
			B	15	
			C	16	
			D	17	
			E	18	
			F	19	
			G	20	
			H	21	
			I	22	
		SUPER	J	23	
			K	24	
			L	25	
			M	26	
			N	27	
			O	28	
			P	29	III
			Q	30	
			R	31	
			S	32	
			T	33	
			U	34	
			V	35	
			W	36	
		HYPER	W+1	37	
			W+2	38	
			W+3	39	
			W+4	40	
			W+5	41	
			W+6	42	
			W+7	43	
			W+8	44	
			W+9	45	
			W+10	46	
			W+11	47	
			W+12	48	
			W+13	49	
			W+14	50	
			W+15	51	
			W+16	52	
			W+17	53	
			W+18	54	
			W+19	55	
			W+20	56	
			W+21	57	
			W+22	58	
			W+23	59	
			W+24	60	
			W+25	61	
			W+26	62	
			W+27	63	
			W+28	64	
		ULTRA	W+29	65	
			W+30	66	IV
			W+31	67	
			W+32	68	
			W+33	69	
			W+34	70	

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP	
×	○	ULTRA	W+35	71	IV
			W+36	72	
			W+37	73	
			W+38	74	
			W+39	75	
			W+40	76	
			W+41	77	
			W+42	78	
			W+43	79	
			W+44	80	
			W+45	81	
			W+46	82	
			W+47	83	
			W+48	84	
			W+49	85	
			W+50	86	
			W+51	87	
			W+52	88	
			W+53	89	
			W+54	90	
			W+55	91	
			W+56	92	
			W+57	93	
			W+58	94	
			W+59	100	
			W+60	101	
			W+61	102	
			W+62	103	
			W+63	104	
			W+64	105	
			W+65	106	
			W+66	107	
			W+67	108	
			W+68	109	
			W+69	110	
			W+70	111	
			W+71	112	
			W+72	113	
			W+73	114	
			W+74	115	
			W+75	116	
			W+76	117	
			W+77	118	
			W+78	119	
			W+79	120	
			W+80	121	
			W+81	122	
			W+82	123	
			W+83	124	
			W+84	125	
		SUB MID	A-8	01	I
			A-4	96	
			A-3	97	II
			A-2	98	
			A-1	99	
○	×	UHF	14 ~ 69		IV

TOTAL 180CH
{ VHF 124CH
{ UHF 56CH

NOTE:
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SPECIAL ADAPTERS MAY BE REQUIRED.

PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety .
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied .
- P. W. Board Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied .

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
C R	Carbon Resistor	C CAP.	Ceramic Capacitor
F R	Fusible Resistor	E CAP.	Electrolytic Capacitor
P R	Plate Resistor	M CAP.	Mylar Capacitor
V R	Variable Resistor	HV CAP.	High Voltage Capacitor
HV R	High Voltage Resistor	MF CAP.	Metalized Film Capacitor
MF R	Metal Film Resistor	MM CAP.	Metalized Mylar Capacitor
MG R	Metal Glazed Resistor	MP CAP.	Metalized Polystyrol Capacitor
MP R	Metal Plate Resistor	PP CAP.	Polypropylene Capacitor
OM R	Metal Oxide Film Resistor	PS CAP.	Polystyrol Capacitor
CMF R	Coating Metal Film Resistor	TF CAP.	Thin Film Capacitor
UNF R	Non-Flammable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH V R	Chip Variable Resistor	TAN. CAP.	Tantalum Capacitor
CH MG R	Chip Metal Glazed Resistor	CH C CAP.	Chip Ceramic Capacitor
COMP. R	Composition Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

AV-36950 AV-36980 AV-36985

TOLERANCES									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% 0%

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USING P.W. BOARD & REMOTE CONTROL UNIT

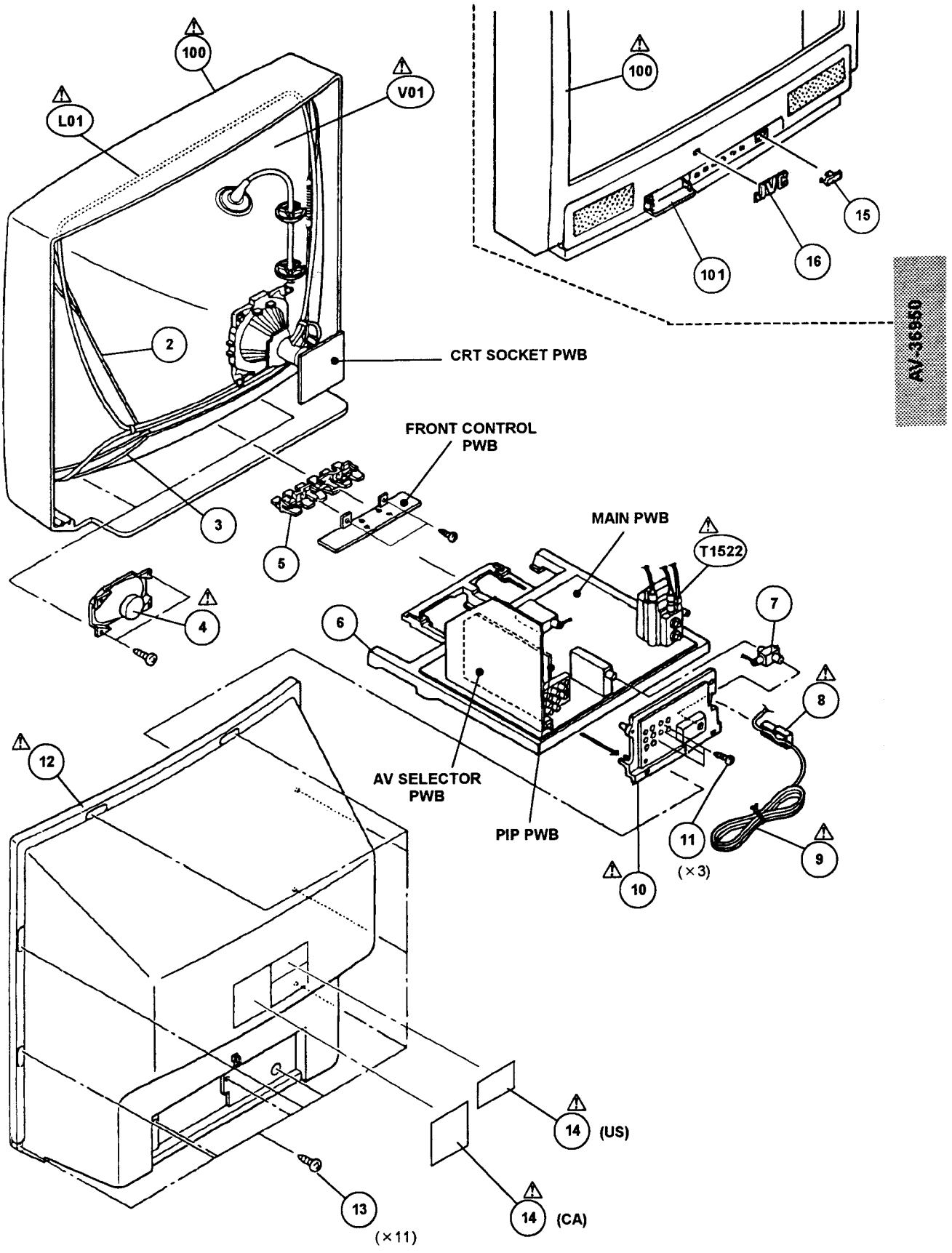
Model / P.W.B ASS'Y	AV-36950 (US&CA)	AV-36980 (US&CA)	AV-36985 (US&CA)
MAIN P.W.B	SGV-1004A-M2	SGV-1008A-M2	←
CRT SOCKET P.W.B	SGV-3002A-M2	SGV-3003A-M2	←
FRONT CONTROL P.W.B	SGV-4002A-M2	←	←
AV SELECTOR P.W.B	SGV-8002A-M2	SGV-8003A-M2	←
PIP P.W.B	SGV0P001A-M2	←	←
GUIDE PLUS + MODULE P.W.B	×	SGV0T001A-M2	←
REMOTE CONTROL UNIT	RM-C755-1C	RM-C752-1C	RM-C888-1A

AV-36950 (US&CA)

EXPLODED VIEW PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	L01	CELD067-001JA	DEGAUSSING COIL		*
⚠	V01	A90AEJ15X01	ITC TUBE(C)	(Inc.DY)	*
⚠	T1522	QQH0032-001	F B T	(Within MAIN PWB)	*
	2	CHGB0027-0A	BRAIDED ASSY		*
	3	CHGB0016-0C	BRAIDED SUB WIRE	(×2)	*
⚠	4	CEBSS12D-02J2	SPEAKER	(×2)SP01,SP02	*
	5	CM35776-B01-H	PUSH KNOB		*
	6	CM12689-B01-VA	CHASSIS BASE		*
	7	CEGA008-001	ANT.SPLITTER		*
⚠	8	CM48140-A03-A	CORD CLAMP		*
⚠	9	QMPD070-200-JC	POWER CORD	(SERVICE)	
⚠	10	LC20087-002B-A	TERMINAL BOARD		*
	11	SBSB3010Z	TAPPING SCREW	(×3)	*
⚠	12	CM12634-D02-MA	REAR COVER		*
	13	GBSB4016Z	TAPPING SCREW	(×11)	*
⚠	14	CM23034-001-A	RATING LABEL	(US)	*
⚠	14	CM22999-001-A	RATING LABEL	(CA)	*
	15	CM35983-001-H	REMOCON WINDOW		*
	16	CM46084-A01	BRAND MARK		
⚠	100	CM12747-A0F-MA	FRONT CABINET	Inc.No.101	*
	101	CM36162-006-A	DOOR		

EXPLODED VIEW



PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SGV-1004A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	VARIABLE RESISTOR				
	R1579	QVP0067-203Z	V R (SIDEPIN CORRECT)	20kΩ	*
	R1581	QVP0067-502Z	V R (H.WIDTH	5kΩ	*
	RESISTOR				
	R1001	QRJ146J-5R6X	C R	5.6Ω 1/4W J	*
	R1003-04	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1005	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1101	NRSA02J-820X	MG R	82Ω 1/10W J	*
	R1102	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1103	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
	R1104	QRE121J-331Y	C R	330Ω 1/2W J	*
	R1105	NRSA02J-100X	MG R	10Ω 1/10W J	*
	R1106	NRSA02J-390X	MG R	39Ω 1/10W J	*
	R1108	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1110	QRL029J-330	OM R	33Ω 2W J	*
	R1131	NRSA02J-181X	MG R	180Ω 1/10W J	*
	R1132-33	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1134	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1135	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1136	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1137	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R1139	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1161-62	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1163	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1164	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1201	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1202	NRSA02J-154X	MG R	150kΩ 1/10W J	*
	R1203	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1204	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1205	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1206	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1207	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1208	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1209	NRSA02J-272X	MG R	2.7kΩ 1/10W J	*
	R1210	NRSA02J-821X	MG R	820Ω 1/10W J	*
	R1211	NRSA02J-683X	MG R	68kΩ 1/10W J	*
	R1212	NRSA02J-224X	MG R	220kΩ 1/10W J	*
	R1213	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1214	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
	R1215	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1216	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1217	NRSA02J-272X	MG R	2.7kΩ 1/10W J	*
	R1218	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1223	QRE121J-391Y	C R	390Ω 1/2W J	*
	R1225	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1231	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1232	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1233	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
	R1236	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1237	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1238	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1239	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1301	NRSA02J-393X	MG R	39kΩ 1/10W J	*
	R1302	NRSA02J-183X	MG R	18kΩ 1/10W J	*
	R1303-04	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1305	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1421	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1422	QRE121J-391Y	C R	390Ω 1/2W J	*
	R1423	QRT029J-1R2	MF R	1.2Ω 2W J	*
	R1424	QRE121J-102Y	C R	1kΩ 1/2W J	*
	R1425	NRSA02J-683X	MG R	68kΩ 1/10W J	*
	R1427	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1428	NRSA02J-393X	MG R	39kΩ 1/10W J	*
	R1429	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1430	NRSA02J-102X	MG R	1kΩ 1/10W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1501	NRSA02J-361X	MG R	360Ω 1/10W J	*
	R1502	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
	R1504	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1505	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R1506	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1507	NRSA02J-563X	MG R	56kΩ 1/10W J	*
	R1511	NRSA02J-391X	MG R	390Ω 1/10W J	*
	R1521	NRSA02J-391X	MG R	390Ω 1/10W J	*
	R1522	NRSA02J-271X	MG R	270Ω 1/10W J	*
	R1523	QRE121J-103Y	C R	10kΩ 1/2W J	*
	R1524-25	QRG029J-152	OM R	1.5kΩ 2W J	*
	R1531	QRE121J-220Y	C R	22Ω 1/2W J	*
	R1532	QRE121J-681Y	C R	680Ω 1/2W J	*
	R1533	QRL039J-103	OM R	10kΩ 3W J	*
⚠	R1541	QRK129J-150	C R	15Ω 1/2W J	*
	R1542	QRX01GJ-1R2	MF R	1.2Ω 1W J	*
	R1544	QRK129J-4R7	C R	4.7Ω 1/2W J	*
	R1545	QRE121J-822Y	C R	8.2kΩ 1/2W J	*
	R1547-48	QRE121J-154Y	C R	150kΩ 1/2W J	*
	R1553	NRSA02J-273X	MG R	27kΩ 1/10W J	*
⚠	R1556	QRA14CF-7501Y	MF R	7.5kΩ 1/4W F	*
⚠	R1557	QRA14CF-2671Y	MF R	2.67kΩ 1/4W F	*
	R1558	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1559	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1560	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R1561	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1572	NRSA02J-683X	MG R	68kΩ 1/10W J	*
	R1573	NRSA02J-153X	MG R	15kΩ 1/10W J	*
	R1574	NRSA02J-184X	MG R	180kΩ 1/10W J	*
	R1575	NRSA02J-274X	MG R	270kΩ 1/10W J	*
	R1576	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1577	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1578	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1580	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1582	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1583	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
	R1584	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1585	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1586	QRE121J-472Y	C R	4.7kΩ 1/2W J	*
	R1587	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1588	QRL039J-100	OM R	10Ω 3W J	*
	R1601	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1602	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R1603	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1604	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R1605	QRT039J-2R2	MF R	2.2Ω 3W J	*
	R1606-07	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1611	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1612	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1613	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1614	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1615-16	NRSA02J-271X	MG R	270Ω 1/10W J	*
	R1701	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1703	NRSA02J-823X	MG R	82kΩ 1/10W J	*
	R1704	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1705	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1706	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1710	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1713	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1714	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1716	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1717	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1718	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1719	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1720	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*

RESISTOR

⚠	Symbol No.	Part No.	Part Name	Description	Local
	R1721	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1724	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1725	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1726-28	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1729	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1730	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1731	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R1732	NRSA02J-224X	MG R	220kΩ 1/10W J	*
	R1733-34	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1735	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1736	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1739	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1740	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1741	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1742	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R1743	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1744	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1745	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1746	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1747	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1756-57	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1758-59	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1760	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1772	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1773	NRSA02J-121X	MG R	120Ω 1/10W J	*
	R1791-95	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R1801-03	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1804-06	NRSA02J-101X	MG R	100Ω 1/10W J	*
⚠	R1901	QRF074K-R47	UNF R	0.47 Ω 7W K	*
	R1902	QRE121J-333Y	C R	33kΩ 1/2W J	*
	R1903	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1904-05	QRT029J-R22	MF R	0.22Ω 2W J	*
	R1907-08	QRL039J-393	OM R	39kΩ 3W J	*
	R1909	QRE121J-332Y	C R	3.3kΩ 1/2W J	*
	R1912-13	QRE121J-333Y	C R	33kΩ 1/2W J	*
	R1914	QRE121J-2R2Y	C R	2.2Ω 1/2W J	*
	R1915-16	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1917	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1918	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1920	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1924	QRG01GJ-221	OM R	220Ω 1W J	*
	R1925	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1926	QRT029J-R82	MF R	0.82Ω 2W J	*
	R1928	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1931	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1933	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1934	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1936	QRE121J-222Y	C R	2.2kΩ 1/2W J	*
	R1940	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1941	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1942	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1943	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1944	NRSA02J-393X	MG R	39kΩ 1/10W J	*
	R1945-46	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1947	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1948	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1949	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1951	QRT029J-1R2	MF R	1.2Ω 2W J	*
	R1952	QRT029J-1R0	MF R	1.0Ω 2W J	*
	R1954	QRE121J-272Y	C R	2.7kΩ 1/2W J	*
	R1955	QRE121J-473Y	C R	47kΩ 1/2W J	*
	R1956	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1961	QRJ146J-3R3X	C R	3.3Ω 1/4W J	*
	R1962	QRL029J-472	OM R	4.7kΩ 2W J	*
	R1963	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1966	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1967	QRE121J-683Y	C R	68kΩ 1/2W J	*
⚠	R1998	QRZ9041-275	C R	2.7MΩ 1/2W K	*
⚠	R1999	QRE121J-121Y	C R	120Ω 1/2W J	*

CAPACITOR

⚠	Symbol No.	Part No.	Part Name	Description	Local
	C1001	QETN1HM-475Z	E CAP.	4.7μF 50V M	*
	C1003	QETN1AM-477Z	E CAP.	470μF 10V M	*
	C1004	QETN1CM-227Z	E CAP.	220μF 16V M	*
	C1005	QETN1CM-476Z	E CAP.	47μF 16V M	*
	C1006	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1007	QETN1HM-106Z	E CAP.	10μF 50V M	*
	C1011	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1101	QFLC1HJ-104Z	M CAP.	0.1μF 50V J	*
	C1102	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1103	QETN1CM-107Z	E CAP.	100μF 16V M	*
	C1104-05	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1106	NDC21HJ-680X	C CAP.	68pF 50V J	*
	C1107	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1108	QETN1CM-107Z	E CAP.	100μF 16V M	*
	C1110	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1111	NCB21HK-222X	C CAP.	2200pF 50V K	*
	C1131	QFV71HJ-154Z	MF CAP.	0.15μF 50V J	*
	C1132	QFN31HJ-152Z	M CAP.	1500pF 50V J	*
	C1133	QETN1HM-474Z	E CAP.	0.47μF 50V M	*
	C1134	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1135	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1137	QETN1CM-476Z	E CAP.	47μF 16V M	*
	C1161	QETN1CM-107Z	E CAP.	100μF 16V M	*
	C1162	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1163	NDC21HJ-220X	C CAP.	22pF 50V J	*
	C1164-65	NDC21HJ-470X	C CAP.	47pF 50V J	*
	C1166	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1168-70	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1171	NCB21HK-222X	C CAP.	2200pF 50V K	*
	C1201	QENC1HM-475Z	BP E CAP.	4.7μF 50V M	*
	C1202-04	QETN1CM-476Z	E CAP.	47μF 16V M	*
	C1205	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
	C1206	QETN1HM-105Z	E CAP.	1μF 50V M	*
	C1207	QETN1HM-106Z	E CAP.	10μF 50V M	*
	C1208	NDC21HJ-680X	C CAP.	68pF 50V J	*
	C1221	QETN1CM-476Z	E CAP.	47μF 16V M	*
	C1224	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1225	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
	C1226	NDC21HJ-681X	C CAP.	680pF 50V J	*
	C1228	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
	C1231	QETN1CM-476Z	E CAP.	47μF 16V M	*
	C1232	QETN1HM-106Z	E CAP.	10μF 50V M	*
	C1233	QETN1CM-476Z	E CAP.	47μF 16V M	*
	C1234-35	QETN1HM-105Z	E CAP.	1μF 50V M	*
	C1301	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1302	NDC21HJ-100X	C CAP.	10pF 50V J	*
	C1303	NCB21HK-223X	C CAP.	0.022μF 50V K	*
	C1304	QETN1HM-474Z	E CAP.	0.47μF 50V M	*
	C1305	QETN1CM-107Z	E CAP.	100μF 16V M	*
	C1306	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1401	QETN1HM-225Z	E CAP.	2.2μF 50V M	*
	C1402	QBHC1CK-225Z	TAN.CAP.	2.2μF 16V K	
	C1403	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1421	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1424	QETN1VM-107Z	E CAP.	100μF 35V M	*
	C1425	QETN1VM-477Z	E CAP.	470μF 35V M	*
	C1426	QFLC2AK-563Z	M CAP.	0.056μF 100V K	*
	C1427	QETM1EM-228	E CAP.	2200μF 25V M	*
	C1428	QFV71HJ-474Z	MF CAP.	0.47μF 50V J	*
	C1429	QFV71HJ-224Z	MF CAP.	0.22μF 50V J	*
	C1501	QETN1CM-227Z	E CAP.	220μF 16V M	*
	C1502	QETN1HM-106Z	E CAP.	10μF 50V M	*
	C1503	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1505	QETN1HM-106Z	E CAP.	10μF 50V M	*
	C1511	QETN1CM-476Z	E CAP.	47μF 16V M	*
	C1521	QCB32HK-151Z	C CAP.	150pF 500V K	*
	C1522	QCB32HK-331Z	C CAP.	330pF 500V K	*
	C1523	QETN2CM-105Z	E CAP.	1μF 160V M	*
⚠	C1531	QFZ0117-4001	MPP CAP.	4000pF1.4kVH±2.5%	*
⚠	C1532	QFZ0117-1302	MPP CAP.	0.13μF1.4kVH±2.5%	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	CAPACITOR				
⚠	C1533	QFP32GJ-223	PP CAP.	0.022µF 400V J	*
	C1534	QEHR2EM-225Z	E CAP.	2.2µF 250V M	
⚠	C1535	QFZ0119-624	M.PP CAPACITOR	0.62µF 200V ±3%	*
	C1536	QCB32HK-561Z	C CAP.	560pF 500V K	*
	C1538	QEZ0420-107	E CAP.	100µF 160V M	*
	C1541	QETN2EM-226Z	E CAP.	22µF 250V M	*
	C1542	QETM1VM-108	E CAP.	1000µF 35V M	*
	C1544	QETN1VM-107Z	E CAP.	100µF 35V M	*
	C1545	QFLC2AJ-103Z	M CAP.	0.01µF 100V J	*
	C1546	QFLC1HJ-473Z	M CAP.	0.047µF 50V J	*
	C1548	QCB32HK-102Z	C CAP.	1000pF 500V K	*
	C1551	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1573	QFLC1HJ-683Z	M CAP.	0.068µF 50V J	*
	C1574	QETN1AM-477Z	E CAP.	470µF 10V M	*
	C1575	QFLC1HJ-683Z	M CAP.	0.068µF 50V J	*
	C1577	QETN1VM-476Z	E CAP.	47µF 35V M	*
	C1578-79	QEM61HK-475Z	E CAP.	4.7µF 50V K	
	C1602	QENC1HM-474Z	BP E CAP.	0.47µF 50V M	*
	C1604	QENC1HM-474Z	BP E CAP.	0.47µF 50V M	*
	C1605	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1606	QETN1EM-108Z	E CAP.	1000µF 25V M	*
	C1607	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C1608-09	QETN1CM-477Z	E CAP.	470µF 16V M	*
	C1613	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1614	QETN1HM-225Z	E CAP.	2.2µF 50V M	*
	C1615	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C1701-02	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1703	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1704	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1705	NDC21HJ-181X	C CAP.	180pF 50V J	*
	C1706	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C1708	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1709	NDC21HJ-221X	C CAP.	220pF 50V J	*
	C1710-11	NDC21HJ-390X	C CAP.	39pF 50V J	*
	C1712	NDC21HJ-270X	C CAP.	27pF 50V J	*
	C1713	NDC21HJ-150X	C CAP.	15pF 50V J	*
	C1714	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1715	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1716	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1717-18	NDC21HJ-330X	C CAP.	33pF 50V J	*
	C1719	NDC21HJ-471X	C CAP.	470pF 50V J	*
	C1720-21	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1724	NDC21HJ-471X	C CAP.	470pF 50V J	*
	C1736	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1741	QFN31HJ-102Z	M CAP.	1000pF 50V J	*
	C1743	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1744	NDC21HJ-681X	C CAP.	680pF 50V J	*
	C1771	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1772	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1773	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1774	QETN1CM-227Z	E CAP.	220µF 16V M	*
	C1801-03	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
⚠	C1901	QFZ9040-104	M.F.CAPACITOR	0.1µFAC275V M	*
⚠	C1902	QFZ9040-473	M.M.CAPACITOR	0.047µFAC275V M	*
⚠	C1903	QFZ9040-104	M.F.CAPACITOR	0.1µFAC275V M	*
⚠	C1904	QCZ9052-102	C CAP.	1000pFAC125V M	*
⚠	C1906	QCZ9078-102	C CAP.	1000pFAC250V M	*
⚠	C1907	QCZ9078-102	C CAP.	1000pFAC250V M	*
⚠	C1908	QCZ9078-102	C CAP.	1000pFAC250V M	*
⚠	C1910	QEZ0169-477	E CAP.	470µF 200V M	*
	C1911	QETN1VM-477Z	E CAP.	470µF 35V M	*
	C1912	QFN31HJ-102Z	M CAP.	1000pF 50V J	*
	C1913	QCZ0325-222	C CAP.	2200pF 2000V K	*
	C1914	QCZ0325-391	C CAP.	390pF 2000V K	*
	C1915	QFP32GJ-223	PP CAP.	0.022µF 400V J	*
	C1916	QCZ0325-222	C CAP.	2200pF 2kV K	*
	C1918	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1919	NCB21HK-222X	C CAP.	2200pF 50V K	*
	C1920	QFLC1HJ-823Z	M CAP.	0.082µF 50V J	*
	C1921-23	QCZ0132-152Z	C CAP.	1500pF 500V K	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	CAPACITOR				
	C1924	QEZ0420-107	E CAP.	100µF 160V M	*
	C1925	QCZ0132-152Z	C CAP.	1500pF 500V K	*
	C1926	QETM1CM-228	E CAP.	2200µF 16V M	
	C1927	QETN1CM-227Z	E CAP.	220µF 16V M	*
	C1928	QETM1EM-108	E CAP.	1000µF 25V M	*
	C1931-32	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1934	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1935	QETN2AM-106Z	E CAP.	10µF 100V M	*
	C1937	QETN2CM-106Z	E CAP.	10µF 160V M	*
	C1938	NDC21HJ-471X	C CAP.	470pF 50V J	*
	C1951	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1952	QETN1HM-476Z	E CAP.	47µF 50V M	*
	C1954	QETN1HM-226Z	E CAP.	22µF 50V M	*
⚠	C1990	QCZ9074-103	C CAP.	0.01µFAC125V M	*
⚠	C1991	QCZ9074-103	C CAP.	0.01µFAC125V M	*
	TRANSFORMER				
	T1131	QQR0907-001	IFT		*
	T1161	CELT003-109J3	S.I.F.TRANSF.		*
	T1521	CE42034-002	H.DRIVE TRANSF.		*
⚠	T1522	QQH0032-001	F B T		*
⚠	T1901	CETS107-001J8	SW TRANSF.		*
	COIL				
	L1001	QQL03BJ-101Z	COIL	100µH J	*
	L1102	QQLZ014-R22	PEAKING COIL	0.22µH	*
	L1103	QQLZ014-R68	PEAKING COIL	0.68µH	*
	L1104	QQL03BJ-680Z	COIL	68µH J	*
	L1131	QQL03BJ-330Z	COIL	33µH J	*
	L1161	QQL03BJ-680Z	COIL	68µH J	*
	L1162	QQL03BJ-220Z	COIL	22µH J	*
	L1201	QQL03BJ-270Z	COIL	27µH J	*
⚠	L1531	CE41663-00B	LINEARITY COIL		*
	L1532	QQLZ016-821	CHOKE COIL		*
⚠	L1591	QQLZ018-340	HEATER CHOKE		*
	L1701	QQL03BJ-5R6Z	COIL	5.6µH J	*
	L1702	QQL244J-100Z	COIL	10µH J	*
	L1707	QQL03BJ-5R6Z	COIL	5.6µH J	*
	L1771	QQL03BJ-5R6Z	COIL	5.6µH J	*
	L1921	QQL42AK-820Z	COIL	82µH K	*
	L1922	QQL42AK-220Z	COIL	22µH K	*
	DIODE				
	D1001	MTZJ33A-T2	ZENER DIODE		*
	D1221	MTZJ5.1B-T2	ZENER DIODE		*
	D1231-34	1SS133-T2	SI.DIODE		*
	D1421	1N4003-T2	SI.DIODE		*
	D1422	MTZJ75-T2	ZENER DIODE		*
	D1501	1SS133-T2	SI.DIODE		*
	D1511	MTZJ3.3A-T2	ZENER DIODE		*
⚠	D1531	RH3G-F1	SI.DIODE		*
⚠	D1532	RU3AM-LFC4	SI.DIODE		*
	D1533	RGP10J-5025-T3	SI.DIODE		*
	D1541	RH1S-T3	SI.DIODE		*
	D1542	RGP10J-5025-T3	SI.DIODE		*
	D1544	1SS81-T2	SI.DIODE		*
	D1546	1SR124-400A-T2	SI.DIODE		*
	D1549	MTZJ9.1B-T2	ZENER DIODE		*
⚠	D1551	MA4068N/Z1/-T2	ZENER DIODE		
	D1560-61	1SS133-T2	SI.DIODE		*
	D1601-02	1SS133-T2	SI.DIODE		*
	D1609	1SS133-T2	SI.DIODE		*
	D1702-04	1SS133-T2	SI.DIODE		*
	D1741-42	1SS133-T2	SI.DIODE		*
	D1771-72	1SS133-T2	SI.DIODE		*
	D1801	MTZJ5.1B-T2	ZENER DIODE		*
	D1804	1SS133-T2	SI.DIODE		*
⚠	D1901	D3SBA60-S1	BRIDGE DIODE		*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	DIODE				
⚠	D1902	RGP10J-5025-T3	SI.DIODE		*
	D1903-04	1SS133-T2	SI.DIODE		*
	D1905	EG1A-T3	SI.DIODE		*
	D1909	MTZJ15A-T2	ZENER DIODE		*
	D1910	RGP10J-5025-T3	SI.DIODE		*
	D1911	1SS133-T2	SI.DIODE		*
	D1912	MTZJ15A-T2	ZENER DIODE		*
	D1913-14	RGP10J-5025-T3	SI.DIODE		*
	D1916	RGP10J-5025-T3	SI.DIODE		*
	D1918	MTZJ13B-T2	ZENER DIODE		*
	D1921	RU30A-F1	SI.DIODE		*
	D1922	RU3YX-LFC4	SI.DIODE		*
	D1923	EGP10DL-6006-F1	SI.DIODE		*
	D1925	RGP10J-5025-T3	SI.DIODE		*
	D1926-28	1SS133-T2	SI.DIODE		*
	D1931	1SS133-T2	SI.DIODE		*
	D1933	1SS133-T2	SI.DIODE		*
	D1942	MTZJ6.8C-T2	ZENER DIODE		*
	D1951	MTZJ7.5S-T2	ZENER DIODE		*
	TRANSISTOR				
	Q1101	2SC5083/L-P/-T	SI.TRANSISTOR		*
	Q1131-32	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1161	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1201-03	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1204-05	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q1231-32	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1521	2SC4212/Z1/	SI.TRANSISTOR		*
⚠	Q1531	2SD2539-LB	SI.TRANSISTOR	H.OUT	*
	Q1541	2SA1037AK/QR/-X	SI.TRANSISTOR		*
⚠	Q1542	2SC2785/JH/-T	SI.TRANSISTOR		*
	Q1551	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1552	2SA1037AK/QR/-X	SI.TRANSISTOR		*
⚠	Q1553	2SD1408/OY/-LB	SI.TRANSISTOR		*
	Q1601	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1602	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1603	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1604	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q1701	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1702	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1741	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1742	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1743	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1911	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q1912	2SD2088-T	SI.TRANSISTOR		*
	Q1921	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1922	2SD1383K/AB/-X	SI.TRANSISTOR		*
	Q1923	2SA1020/Y/-T	SI.TRANSISTOR		*
	Q1924	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1925	2SA949/Y/Z1-T	SI.TRANSISTOR		*
	Q1926	2SC2240/GL/-T	SI.TRANSISTOR		*
	Q1927-28	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1942-43	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1944	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1951	2SA949/Y/Z1-T	SI.TRANSISTOR		*
	IC				
	IC1001	KIA78L05BP-T	I.C.(MONO-ANA)		*
	IC1101	UPC2409AHF	I.C.(MONO-ANA)		
	IC1201	TA1242N	I.C.(MONO-ANA)		*
	IC1202	TC4066BP	I.C.(DIGI-MOS)		*
⚠	IC1421	LA7832	I.C.(MONO-ANA)		*
⚠	IC1601	LA4485	I.C.(MONO-ANA)		*
	IC1701	MN1874878JB	I C		*
	IC1702	AT24C02-36950U	I.C.	(SERVICE)	*
	IC1703	MN1381/Q/-T	I.C.(MONO-ANA)		*
	IC1771	AN77L05-T	I.C.(MONO-ANA)		
⚠	IC1901	STR-F6626	I C		
⚠	IC1941	SE135N	I.C.(HYBRID)		*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	OTHERS				
	CF1001	FTP47.25MF	CERAMIC FILTER		*
	CF1131	QAX0339-001	CERAMIC FILTER		*
	CF1161	SFSH4.5MCB	CERAMIC FILTER		*
	CF1501	CSB503F30-T2	CER.RESONATOR		*
	CF1701	FCR12.0M2S	CER.RESONATOR		*
	CN1001	CHB303W-35R-J	RECEPTACLE		*
⚠	CN10PW	QMPD070-200-JC	POWER CORD		*
	CN1DEG	CH42145-802T	VH POST HEADER		*
⚠	F1901	QMF0007-5R0J1	FUSE	5.0A	*
	K1421	QQR0582-001Z	BEADS CORE		*
	K1901	CE41433-001Z	BEADS CORE		*
	K1903	CE41433-001Z	BEADS CORE		*
	K1921	CE41433-001Z	BEADS CORE		*
	K1922	QQR0621-001Z	BEADS CORE		*
⚠	LF1901	CELF001-001J1	LINE FILTER		*
⚠	LF1902	CE42335-001J1	LINE FILTER		*
⚠	PC1901	TLP621(B)	I.C.(PH.COUPLER)		*
⚠	PC1902	TLP621(B)	I.C.(PH.COUPLER)		*
⚠	RY1901	CESK028-001	RELAY		*
⚠	RY1921	CESK028-001	RELAY		*
	S1421	QSL4A13-C02	LEVER SWITCH	(V.CENTER SW)	*
	SF1101	CE42604-201	SAW FILTER		
⚠	TH1501	CEKP004-002	P.THERMISTOR		*
⚠	TH1901	CEKP007-002	P.THERMISTOR		*
⚠	TU1001	QAU0071-001	TUNER		*
⚠	VA1901	ERZV10V361CS	VARISTOR		*
	X1301	QAX0310-001Z	CRYSTAL		*
	Y1131-32	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	Y1504-05	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	Y1705	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	Y1710	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	Y1712	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*

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CRT SOKET P.W. BOARD ASS'Y (SGV-3002A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R3351-53	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R3354-56	NRSA02J-181X	MG R	180Ω 1/10W J	*
	R3357-59	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R3360-62	QRZ0111-152	C R	1.5kΩ 1/2W K	*
	R3363-65	QRG029J-103	OM R	10kΩ 2W J	*
	R3366-68	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R3381	QRE121J-394Y	C R	390kΩ 1/2W J	*
	CAPACITOR				
	C3354-55	NCS21HJ-331X	C CAP.	330pF 50V J	*
	C3356	NCS21HJ-391X	C CAP.	390pF 50V J	*
	C3357	QETN1CM-107Z	E CAP.	100μF 16V M	*
⚠	C3382	QCZ0121-102	C CAP.	1000pF 3000V Z	*
	COIL				
	L3381	QQL39BK-101Z	COIL	100μH K	*
	TRANSISTOR				
	Q3351-53	2SC4544-LB	SI.TRANSISTOR		*
	OTHERS				
⚠	SK3351	CE42535-001J1	C.R.T.SOCKET		*

FRONT CONTROL P.W. BOARD ASS'Y (SGV-4002A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R4701	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R4702	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R4703	NRSA02J-153X	MG R	15kΩ 1/10W J	*
	R4704	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R4705	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R4706	NRSA02J-153X	MG R	15kΩ 1/10W J	*
	R4707	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R4708	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R4709	NRSA02J-561X	MG R	560Ω 1/10W J	*
	CAPACITOR				
	C4841	QETN1CM-476Z	E CAP.	47μF 16V M	*
	DIODE				
	D4701	GL2PR6	L.E.D.(RED)		*
	TRANSISTOR				
	Q4701-02	DTA124EKA-X	DIGI.TRANSISTOR		*
	IC				
	IC4841	GP1U281Q	IFR DETECT UNIT		*
	OTHERS				
		CM46978-A01-H	L.E.D.HOLDER		*
	S4702	QSP1A11-C19Z	PUSH SWITCH	(MENU)	*
	S4703	QSP1A11-C19Z	PUSH SWITCH	(CH -)	*
	S4704	QSP1A11-C19Z	PUSH SWITCH	(CH +)	*
	S4705	QSP1A11-C19Z	PUSH SWITCH	(VOL -)	*
	S4706	QSP1A11-C19Z	PUSH SWITCH	(VOL +)	*
	S4707	QSP1A11-C19Z	PUSH SWITCH	(POWER)	*
	W4002-04	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*

AV SELECTOR P.W. BOARD ASS'Y (SGV-8002A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R8002	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R8003-04	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R8005	QRJ146J-5R6X	C R	5.6Ω 1/4W J	*
	R8101	NRSA02J-820X	MG R	82Ω 1/10W J	*
	R8102	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R8103	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
	R8104	NRSA02J-180X	MG R	18Ω 1/10W J	*
	R8105	NRSA02J-270X	MG R	27Ω 1/10W J	*
	R8106	QRE121J-101Y	C R	100Ω 1/2W J	*
	R8109	NRVA02D-221X	MF R	220Ω 1/10W D	*
	R8110-11	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R8112	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R8113	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R8115	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R8117	NRSA02J-181X	MG R	180Ω 1/10W J	*
	R8119	NRSA02J-821X	MG R	820Ω 1/10W J	*
	R8120	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R8121	NRSA02J-330X	MG R	33Ω 1/10W J	*
	R8124	NRSA02J-272X	MG R	2.7kΩ 1/10W J	*
	R8125	NRSA02J-334X	MG R	330kΩ 1/10W J	*
	R8126	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R8202	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R8203	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R8204	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R8211	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R8212	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R8213	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R8215-16	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R8217	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R8271	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R8275	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R8276	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R8301-02	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R8303	NRSA02J-393X	MG R	39kΩ 1/10W J	*
	R8304	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R8305	NRSA02J-272X	MG R	2.7kΩ 1/10W J	*
	R8306	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R8308	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R8310-11	NRSA02J-153X	MG R	15kΩ 1/10W J	*
	R8371	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R8372	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R8375	NRSA02J-183X	MG R	18kΩ 1/10W J	*
	R8376	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R8377	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R8378	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R8601	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R8602-03	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R8604	NRSA02J-683X	MG R	68kΩ 1/10W J	*
	R8605	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R8606	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R8607	NRVA02D-153X	MF R	15kΩ 1/10W D	*
	R8609	NRVA02D-152X	MF R	1.5kΩ 1/10W D	*
	R8611	NRSA02J-512X	MG R	5.1kΩ 1/10W J	*
	R8613-16	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R8661	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R8662	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R8663-64	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R8665	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R8666	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R8667-68	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R8671	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R8672	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R8683-86	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R8691-94	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R8695-96	NRSA02J-823X	MG R	82kΩ 1/10W J	*
	R8801-03	NRSA02J-820X	MG R	82Ω 1/10W J	*
	R8804-05	NRSA02J-823X	MG R	82kΩ 1/10W J	*
	R8808	NRSA02J-820X	MG R	82Ω 1/10W J	*

⚠ Symbol No.	Part No.	Part Name	Description	Local
RESISTOR				
R8809-10	NRSA02J-823X	MG R	82kΩ 1/10W J	*
R8811-14	NRSA02J-102X	MG R	1kΩ 1/10W J	*
R8818	NRSA02J-102X	MG R	1kΩ 1/10W J	*
R8819	NRSA02J-223X	MG R	22kΩ 1/10W J	*
R8820	NRSA02J-183X	MG R	18kΩ 1/10W J	*
R8821-22	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
R8823-24	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
R8825	NRSA02J-183X	MG R	18kΩ 1/10W J	*
R8826	NRSA02J-273X	MG R	27kΩ 1/10W J	*
R8827	NRSA02J-183X	MG R	18kΩ 1/10W J	*
R8828	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
R8829	NRSA02J-103X	MG R	10kΩ 1/10W J	*
R8831	NRSA02J-821X	MG R	820Ω 1/10W J	*
R8832-33	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
R8835	NRSA02J-273X	MG R	27kΩ 1/10W J	*
R8836	NRSA02J-223X	MG R	22kΩ 1/10W J	*
R8837	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
R8841	NRSA02J-821X	MG R	820Ω 1/10W J	*
R8842-43	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
R8847	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
R8848	NRSA02J-101X	MG R	100Ω 1/10W J	*
R8851	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
R8852	NRSA02J-223X	MG R	22kΩ 1/10W J	*
CAPACITOR				
C8001	QETN1HM-475Z	E CAP.	4.7μF 50V M	*
C8003	QETN1CM-107Z	E CAP.	100μF 16V M	*
C8004	QETN1HM-106Z	E CAP.	10μF 50V M	*
C8005	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8006	QETN1HM-106Z	E CAP.	10μF 50V M	*
C8007-08	QETN1CM-476Z	E CAP.	47μF 16V M	*
C8101-03	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8104	NCB21HK-222X	C CAP.	2200pF 50V K	*
C8105	QETN1CM-107Z	E CAP.	100μF 16V M	*
C8106	NCB21HK-222X	C CAP.	2200pF 50V K	*
C8107	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8108	NDC21HJ-101X	C CAP.	100pF 50V J	*
C8109-10	QFV71HJ-224Z	MF CAP.	0.22μF 50V J	*
C8112	NCB21HK-222X	C CAP.	2200pF 50V K	*
C8113	QETN1CM-476Z	E CAP.	47μF 16V M	*
C8114	QETN1HM-474Z	E CAP.	0.47μF 50V M	*
C8115	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8116	QETN1CM-107Z	E CAP.	100μF 16V M	*
C8117	QETN1HM-106Z	E CAP.	10μF 50V M	*
C8118	QFV71HJ-474Z	MF CAP.	0.47μF 50V J	*
C8201	QETN1CM-107Z	E CAP.	100μF 16V M	*
C8211	QETN1HM-106Z	E CAP.	10μF 50V M	*
C8212	NDC21HJ-330X	C CAP.	33pF 50V J	*
C8216	QETN1CM-476Z	E CAP.	47μF 16V M	*
C8303	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8306	NDC21HJ-680X	C CAP.	68pF 50V J	*
C8307	NDC21HJ-271X	C CAP.	270pF 50V J	*
C8308	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8371	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8375	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8601	QETN1CM-107Z	E CAP.	100μF 16V M	*
C8602	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8603	QETN1CM-476Z	E CAP.	47μF 16V M	*
C8604	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
C8605	QENC1HM-475Z	BP E CAP.	4.7μF 50V M	*
C8606	QENC1HM-105Z	BP E CAP.	1μF 50V M	*
C8607	QETN1HM-225Z	E CAP.	2.2μF 50V M	*
C8608	NCB21HK-473X	C CAP.	0.047μF 50V K	*
C8609	QETN1HM-474Z	E CAP.	0.47μF 50V M	*
C8610-11	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
C8612	QETN1HM-105Z	E CAP.	1μF 50V M	*
C8613	QBTC1CK-335Z	TAN.CAP.	3.3μF 16V K	
C8614	QBTC1CK-106Z	TAN.CAP.	10μF 16V K	
C8615-16	QETN1HM-105Z	E CAP.	1μF 50V M	*

⚠ Symbol No.	Part No.	Part Name	Description	Local
CAPACITOR				
C8617	QETN1HM-475Z	E CAP.	4.7μF 50V M	*
C8618	QETN1HM-105Z	E CAP.	1μF 50V M	*
C8619	NCB21HK-273X	C CAP.	0.027μF 50V K	*
C8620	QETN1HM-225Z	E CAP.	2.2μF 50V M	*
C8621	NCB21HK-222X	C CAP.	2200pF 50V K	*
C8622	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
C8623	QETN1HM-225Z	E CAP.	2.2μF 50V M	*
C8624	NCB21HK-222X	C CAP.	2200pF 50V K	*
C8625	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
C8628	QETN1HM-105Z	E CAP.	1μF 50V M	*
C8661-62	QENC1HM-105Z	BP E CAP.	1μF 50V M	*
C8664	QETN1CM-476Z	E CAP.	47μF 16V M	*
C8691-92	QETN1HM-474Z	E CAP.	0.47μF 50V M	*
C8811-14	QETN1HM-105Z	E CAP.	1μF 50V M	*
C8821-27	QETN1HM-106Z	E CAP.	10μF 50V M	*
C8828	QETN1CM-476Z	E CAP.	47μF 16V M	*
C8829	QENC1EM-106Z	BP E CAP.	10μF 25V M	*
C8831	QETN1CM-476Z	E CAP.	47μF 16V M	*
C8832	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8833	QETN1HM-106Z	E CAP.	10μF 50V M	*
C8835-36	QETN1CM-476Z	E CAP.	47μF 16V M	*
C8841	QETN1CM-476Z	E CAP.	47μF 16V M	*
C8842	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8843	QETN1HM-106Z	E CAP.	10μF 50V M	*
C8845	QETN1CM-476Z	E CAP.	47μF 16V M	*
C8846	NCB21HK-103X	C CAP.	0.01μF 50V K	*
COIL				
L8003	QQL03BJ-150Z	COIL	15μH J	*
L8101	QQLZ014-R22	PEAKING COIL	0.22μH	*
L8103	CE42452-003	COIL		*
L8104	QQL03BJ-180Z	PEAKING COIL	18μH	
L8106	QQL03BJ-5R6Z	COIL	5.6μH J	*
L8211	QQL03BJ-220Z	COIL	22μH J	*
L8302	QQL03BJ-150Z	COIL	15μH J	*
L8801-02	QQL03BJ-5R6Z	COIL	5.6μH J	*
DIODE				
D8693-94	MTZJ9.1C-T2	ZENER DIODE		*
D8703	MTZJ5.6B-T2	ZENER DIODE		*
D8811-22	MTZJ9.1C-T2	ZENER DIODE		*
TRANSISTOR				
Q8101	2SC5083/L-P/-T	SI.TRANSISTOR		*
Q8102	2SA1037AK/QR/-X	SI.TRANSISTOR		*
Q8201	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8211	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8212	2SA1037AK/QR/-X	SI.TRANSISTOR		*
Q8271	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8302	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8304-05	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8371	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8671-72	DTC124EKA-X	DIGI.TRANSISTOR		*
Q8683-86	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8801-02	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8803	2SA1037AK/QR/-X	SI.TRANSISTOR		*
Q8804-07	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8851-52	DTC124EKA-X	DIGI.TRANSISTOR		*
IC				
IC8001	KIA78L05BP-T	I.C.(MONO-ANA)		*
IC8101	LA7583	I.C.(MONO-ANA)		*
IC8601	UPC1851BCU	I C		
IC8661	BA15218N	I.C.(MONO-ANA)		*
IC8671	TC4066BP	I.C.(DIGI-MOS)		*
IC8801-02	BA7644AN	I.C.(MONO-ANA)		*
IC8803	TC4066BP	I.C.(DIGI-MOS)		*

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⚠	Symbol No.	Part No.	Part Name	Description	Local
	OTHERS				
	CF8102	FCR5.71M2SF3	CER.RESONATOR		*
	CF8103	QAX0339-001	CERAMIC FILTER		*
	CM8201	CE42599-001	COMB FILTER		*
	CN8001	CHB303W-35P-J	PLUG		*
	DL8201	CE42464-001	BPF&DL MODULE		*
	J8801	QNZ0117-001	PIN JACK		*
	J8802	QNN0182-001	PIN JACK		*
	J8803	QNN0181-001	PIN JACK		*
	J8804	QNS0001-001	JACK		*
	SF8101	QAX0483-001	SAW FILTER		*
⚠	TU8001	QAU0071-001	TUNER		*
	W8071-72	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W8096	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W8102-03	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W8108	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W8169	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W8189-90	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W8193	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*

PIP P.W. BOARD ASS'Y (SGV0P001A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R0101	NRSA02J-183X	MG R	18kΩ 1/10W J	*
	R0102	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R0103	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R0104	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R0105	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R0106	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R0107	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R0108	NRSA02J-334X	MG R	330kΩ 1/10W J	*
	R0109	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R0110	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R0120	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R0141	NRSA02J-752X	MG R	7.5kΩ 1/10W J	*
	R0142	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R0147-48	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R0150	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R0151-55	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R0156	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R0157	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R0158	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R0159	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R0160	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R0161	QRG01GJ-390	OM R	39Ω 1W J	*
	R0201	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
	R0202	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R0203	NRSA02J-105X	MG R	1MΩ 1/10W J	*
	R0204	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R0205	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R0206	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R0207	NRSA02J-153X	MG R	15kΩ 1/10W J	*
	R0208	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
	R0209	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R0210	NRSA02J-105X	MG R	1MΩ 1/10W J	*
	R0211	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R0212	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R0213-14	NRSA02J-183X	MG R	18kΩ 1/10W J	*
	R0215	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R0216	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R0218	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R0219-20	NRSA02J-181X	MG R	180Ω 1/10W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R0229-38	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R0241-43	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R0301	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
	R0302	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R0303	NRSA02J-391X	MG R	390Ω 1/10W J	*
	R0304	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R0305	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R0306	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R0307	NRSA02J-683X	MG R	68kΩ 1/10W J	*
	R0308	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R0309	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R0311	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R0312	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R0313	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R0314	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R0315	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R0316	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R0317	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R0318-20	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R0321	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R0322	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
	R0323	NRSA02J-391X	MG R	390Ω 1/10W J	*
	R0324	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R0325	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
	R0326	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R0331	NRSA02J-183X	MG R	18kΩ 1/10W J	*
	R0333	NRSA02J-183X	MG R	18kΩ 1/10W J	*
	R0335-36	NRSA02J-272X	MG R	2.7kΩ 1/10W J	*
	R0401	QRJ146J-150X	C R	15Ω 1/4W J	*
	R0402	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R0403	NRSA02J-393X	MG R	39kΩ 1/10W J	*
	R0404	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R0405	NRSA02J-680X	MG R	68Ω 1/10W J	*
	R0406	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R0407	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R0408	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R0409	NRSA02J-393X	MG R	39kΩ 1/10W J	*
	R0410	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R0411-12	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R0413	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R0414	NRSA02J-153X	MG R	15kΩ 1/10W J	*
	R0415	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R0416	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R0417	NRSA02J-153X	MG R	15kΩ 1/10W J	*
	R0418	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R0419	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R0420	NRSA02J-153X	MG R	15kΩ 1/10W J	*
	R0421	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R0422	NRSA02J-151X	MG R	150Ω 1/10W J	*
	CAPACITOR				
	C0101	QENC1EM-106Z	BP E CAP.	10μF 25V M	*
	C0102	NDC21HJ-150X	C CAP.	15pF 50V J	*
	C0103	NDC21HJ-101X	C CAP.	100pF 50V J	*
	C0104	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C0108	QETN1HM-106Z	E CAP.	10μF 50V M	*
	C0109	QETN1HM-105Z	E CAP.	1μF 50V M	*
	C0110	NDC21HJ-561X	C CAP.	560pF 50V J	*
	C0121	QETN1HM-225Z	E CAP.	2.2μF 50V M	*
	C0122	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C0123	NCB21HK-152X	C CAP.	1500pF 50V K	*
	C0124	QETN1CM-476Z	E CAP.	47μF 16V M	*
	C0125	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C0126	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
	C0127	NDC21HJ-220X	C CAP.	22pF 50V J	*
	C0142	NDC21HJ-150X	C CAP.	15pF 50V J	*
	C0143	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C0144	QETN1CM-476Z	E CAP.	47μF 16V M	*

Δ	Symbol No.	Part No.	Part Name	Description			Local
CAPACITOR							
	C0145	NCB21HK-103X	C CAP.	0.01μF	50V	K	*
	C0146	QETN1HM-105Z	E CAP.	1μF	50V	M	*
	C0149	NDC21HJ-101X	C CAP.	100pF	50V	J	*
	C0150	NDC21HJ-470X	C CAP.	47pF	50V	J	*
	C0162	NCB21HK-103X	C CAP.	0.01μF	50V	K	*
	C0163	QETN1CM-476Z	E CAP.	47μF	16V	M	*
	C0164	NCB21HK-103X	C CAP.	0.01μF	50V	K	*
	C0165	QETN1CM-476Z	E CAP.	47μF	16V	M	*
	C0166	NCB21HK-103X	C CAP.	0.01μF	50V	K	*
	C0167	QETN1CM-476Z	E CAP.	47μF	16V	M	*
	C0171-89	NCB21HK-103X	C CAP.	0.01μF	50V	K	*
	C0201	QETN1CM-476Z	E CAP.	47μF	16V	M	*
	C0202	NCB21HK-103X	C CAP.	0.01μF	50V	K	*
	C0203	QETN1CM-476Z	E CAP.	47μF	16V	M	*
	C0204-05	NCB21HK-103X	C CAP.	0.01μF	50V	K	*
	C0206	QETN1CM-476Z	E CAP.	47μF	16V	M	*
	C0207-08	QETN1HM-106Z	E CAP.	10μF	50V	M	*
	C0209-11	QENC1HM-475Z	BP E CAP.	4.7μF	50V	M	*
	C0212	QETN1HM-225Z	E CAP.	2.2μF	50V	M	*
	C0213	NCB21HK-103X	C CAP.	0.01μF	50V	K	*
	C0214	QETN1HM-225Z	E CAP.	2.2μF	50V	M	*
	C0215	NCB21HK-103X	C CAP.	0.01μF	50V	K	*
	C0216	NDC21HJ-102X	C CAP.	1000pF	50V	J	*
	C0217	QETN1HM-106Z	E CAP.	10μF	50V	M	*
	C0218	QETN1CM-476Z	E CAP.	47μF	16V	M	*
	C0222-25	NDC21HJ-470X	C CAP.	47pF	50V	J	*
	C0226	QETN1HM-105Z	E CAP.	1μF	50V	M	*
	C0227	NCB21HK-103X	C CAP.	0.01μF	50V	K	*
	C0236-40	QETN1HM-475Z	E CAP.	4.7μF	50V	M	*
	C0241-51	NDC21HJ-101X	C CAP.	100pF	50V	J	*
	C0252-60	NDC21HJ-471X	C CAP.	470pF	50V	J	*
	C0261-62	NDC21HJ-681X	C CAP.	680pF	50V	J	*
	C0263	NDC21HJ-101X	C CAP.	100pF	50V	J	*
	C0270-78	NCB21HK-103X	C CAP.	0.01μF	50V	K	*
	C0302	QETN1CM-476Z	E CAP.	47μF	16V	M	*
	C0304	QENC1HM-475Z	BP E CAP.	4.7μF	50V	M	*
	C0305	QETN1CM-476Z	E CAP.	47μF	16V	M	*
	C0308	QETN1HM-475Z	E CAP.	4.7μF	50V	M	*
	C0310	NCB21HK-103X	C CAP.	0.01μF	50V	K	*
	C0312	QETN1HM-475Z	E CAP.	4.7μF	50V	M	*
	C0331	NCB21HK-103X	C CAP.	0.01μF	50V	K	*
	C0332-33	QETN1HM-475Z	E CAP.	4.7μF	50V	M	*
	C0334	QETN1CM-476Z	E CAP.	47μF	16V	M	*
	C0401	QETN1CM-107Z	E CAP.	100μF	16V	M	*
	C0402	NDC21HJ-820X	C CAP.	82pF	50V	J	*
	C0404-06	QETN1HM-475Z	E CAP.	4.7μF	50V	M	*
	C0407	QETN1CM-476Z	E CAP.	47μF	16V	M	*
	C0408-10	QETN1HM-106Z	E CAP.	10μF	50V	M	*
COIL							
	L0101	QQL03BJ-100Z	COIL	10μH		J	*
	L0103	QQL03BJ-150Z	COIL	15μH		J	*
	L0106	QQL03BJ-820Z	COIL	82μH		J	*
	L0107	QQL03BJ-150Z	COIL	15μH		J	*
DIODE							
	D0201	1SS133-T2	SI.DIODE				*
	D0402-03	1SS133-T2	SI.DIODE				*
TRANSISTOR							
	Q0101-05	2SC2412K/QR/-X	SI.TRANSISTOR				*
	Q0106	2SA1037AK/QR/-X	SI.TRANSISTOR				*
	Q0201	2SA1037AK/QR/-X	SI.TRANSISTOR				*
	Q0301-09	2SC2412K/QR/-X	SI.TRANSISTOR				*
	Q0401	2SC2412K/QR/-X	SI.TRANSISTOR				*
	Q0402	2SA1037AK/QR/-X	SI.TRANSISTOR				*
	Q0403-09	2SC2412K/QR/-X	SI.TRANSISTOR				*

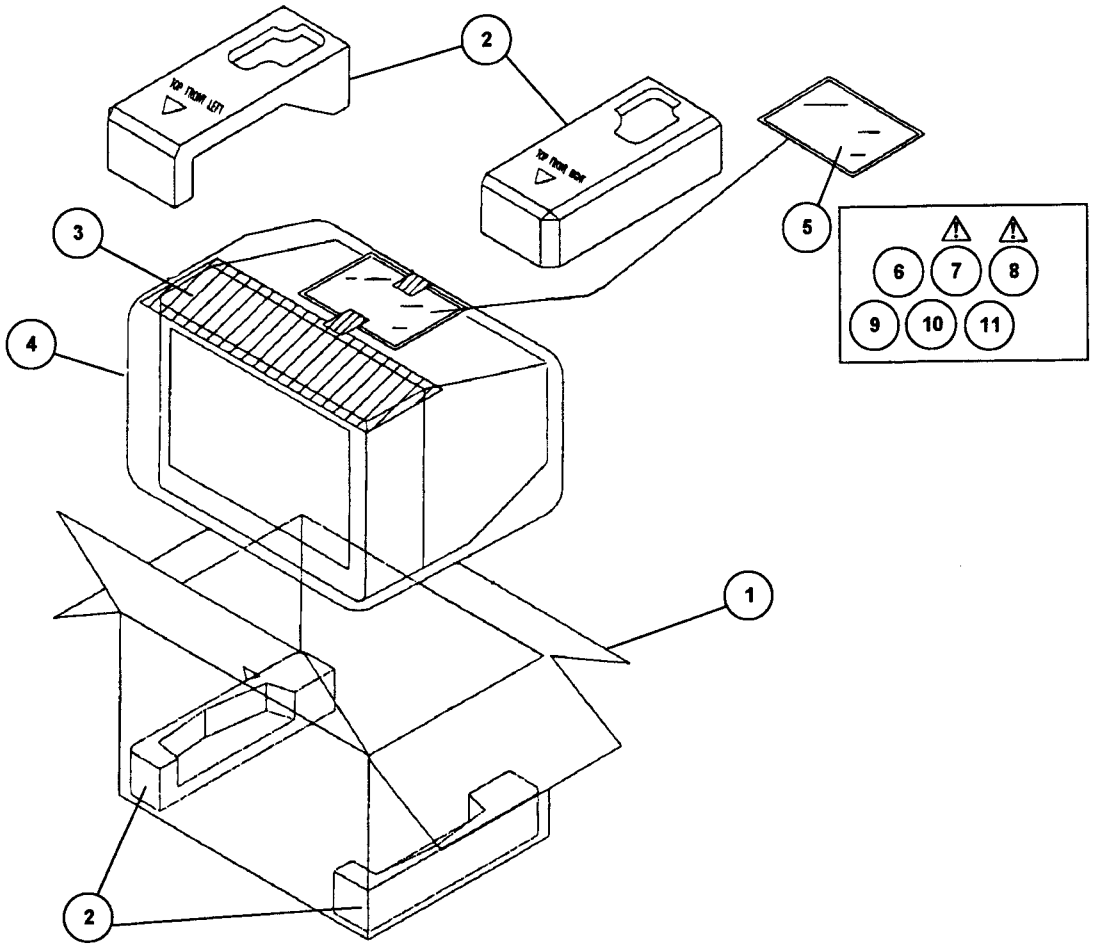
Δ	Symbol No.	Part No.	Part Name	Description	Local
IC					
	IC0101	LA7403	I.C.(MONO-ANA)		*
	IC0102	KIA7809PI	I.C.(MONO-ANA)		*
	IC0103	KIA7805PI	I.C.(MONO-ANA)		*
	IC0201	LC74411N	I.C.(DIGI-MOS)		*
	IC0202	MN1381/Q/-T	I.C.(MONO-ANA)		*
	IC0301	BA7655AF-X	I.C.(MONO-ANA)		*
	IC0401	AN5860	I.C.(MONO-ANA)		*
OTHERS					
		CM36337-A01-H	SHIELD COVER		*
	W0001	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W0006-07	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W0011	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W0014-20	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W0022-30	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W0033-41	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W0044-53	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W0061-68	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W0070-73	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W0075-77	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W0079-81	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W0083-88	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W0099	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W0100-05	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W0107-14	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W0115	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W0132-33	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W0135-36	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W0141	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	X0101	CSB503F30-T2	CER.RESONATOR		*
	X0102	CE41651-001Z	CRYSTAL		*

AV-36950

REMOTE CONTROL UNIT PARTS LIST (RM-C755-1C)

⚠ Ref.No.	Part No.	Part Name	Description	Local
	2AA015250	BATTERY COVER		*

PACKING



PACKING PARTS LIST

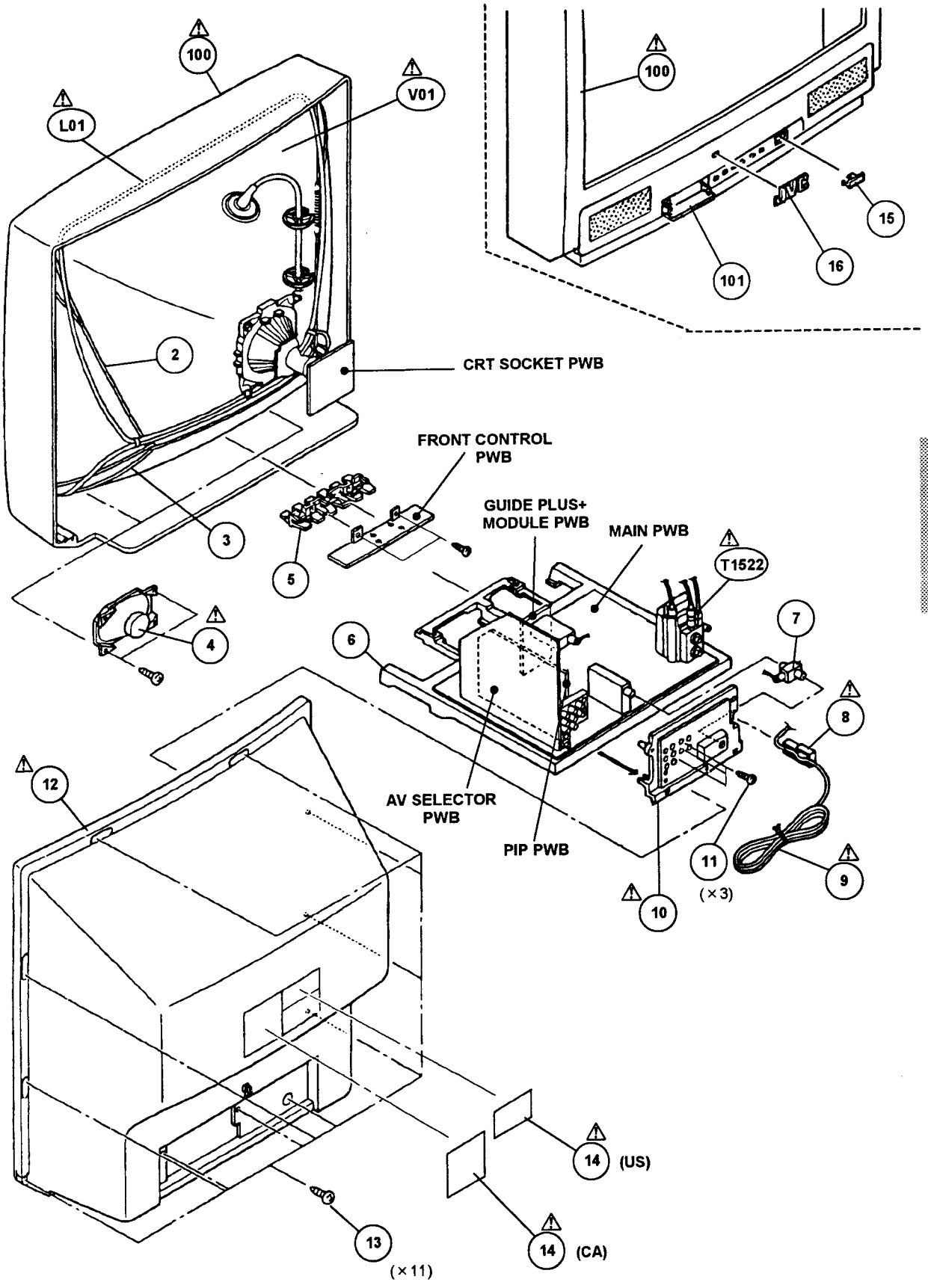
⚠	Ref.No.	Part No.	Part Name	Description	Local
	[America Model]				
	1	CP11499-019-A	PACKING CASE		*
	2	CP11387-00D-A	CUSHION ASSY	4pcs in 1set	*
	3	CP30055-A02-A	TOP COVER		*
	4	CP30056-004-A	POLY BAG		*
	5	QPGA025-03505A	POLY BAG		*
	6	RM-C755-1C	REMOCON UNIT		*
⚠	7	LCT0139-001A-A	INST BOOK	(ENGLISH)	*
	9	BT-51006-1Q	REGISTER CARD		*
	[Canada Model				
	1	CP11499-019-A	PACKING CASE		*
	2	CP11387-00D-A	CUSHION ASSY	4pcs in 1set	*
	3	CP30055-A02-A	TOP COVER		*
	4	CP30056-004-A	POLY BAG		*
	5	QPGA025-03505A	POLY BAG		*
	6	RM-C755-1C	REMOCOM UNIT		*
⚠	7	LCT0139-001A-A	INST BOOK	(ENGLISH)	*
⚠	8	LCT0140-001A-A	INST BOOK	(FRENCH)	*
	10	BT-52002-1Q	WARRANTY CARD		*
	11	BT-20071B-Q	SVC CENTER LIST		*

AV-36980 (US&CA)

EXPLODED VIEW PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	L01	CELD067-001JA	DEGAUSSING COIL		*
⚠	V01	A90AEJ15X01	ITC TUBE(C)	(Inc.DY)	*
⚠	T1522	QQH0032-001	F B T	(Within MAIN PWB)	*
	2	CHGB0027-0A	BRAIDED ASSY		*
	3	CHGB0016-0C	BRAIDED SUB WIRE	(×2)	*
⚠	4	CEBSS12D-02J2	SPEAKER	(×2)SP01,SP02	*
	5	CM35776-B01-H	PUSH KNOB		*
	6	CM12689-B01-VA	CHASSIS BASE		*
	7	CEGA008-001	ANT.SPLITTER		*
⚠	8	CM48140-A03-A	CORD CLAMP		*
⚠	9	QMPD070-200-JC	POWER CORD	(SERVICE)	
⚠	10	LC20087-001B-A	TERMINAL BOARD		*
	11	SBSB3010Z	TAPPING SCREW	(×3)	*
⚠	12	CM12634-D02-MA	REAR COVER		*
	13	GBSB4016Z	TAPPING SCREW	(×11)	*
⚠	14	CM22999-001-A	RATING LABEL	(CA)	*
⚠	14	CM23034-001-A	RATING LABEL	(US)	*
	15	CM35983-001-H	REMOCON WINDOW		*
	16	CM46084-A01	BRAND MARK		
⚠	100	CM12747-00L-MA	F.CABINET ASSY	Inc.No.101	*
	101	CM36162-010-A	DOOR		

EXPLODED VIEW



PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SGV-1008A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	VARIABLE RESISTOR				
	R1579	QVP0067-203Z	V R (SIDEPIN CORRECT)	20kΩ	*
	R1581	QVP0067-502Z	V R (H.WIDTH)	5kΩ	*
	RESISTOR				
	R1001	QRJ146J-5R6X	C R	5.6Ω 1/4W J	*
	R1003-04	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1005	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1101	NRSA02J-820X	MG R	82Ω 1/10W J	*
	R1102	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1103	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
	R1104	QRE121J-331Y	C R	330Ω 1/2W J	*
	R1105	NRSA02J-100X	MG R	10Ω 1/10W J	*
	R1106	NRSA02J-390X	MG R	39Ω 1/10W J	*
	R1108	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1110	QRL029J-330	OM R	33Ω 2W J	*
	R1131	NRSA02J-181X	MG R	180Ω 1/10W J	*
	R1132-33	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1134	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1135	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1136	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1137	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R1139	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1161-62	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1163	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1164	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1201	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1202	NRSA02J-154X	MG R	150kΩ 1/10W J	*
	R1203	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1204	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1205	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1206	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1207	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1208	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1209	NRSA02J-272X	MG R	2.7kΩ 1/10W J	*
	R1210	NRSA02J-821X	MG R	820Ω 1/10W J	*
	R1211	NRSA02J-683X	MG R	68kΩ 1/10W J	*
	R1212	NRSA02J-224X	MG R	220kΩ 1/10W J	*
	R1213	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1214	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
	R1215	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1216	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1217	NRSA02J-272X	MG R	2.7kΩ 1/10W J	*
	R1218	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1221	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R1222	NRSA02J-272X	MG R	2.7kΩ 1/10W J	*
	R1223	QRE121J-391Y	C R	390Ω 1/2W J	*
	R1225	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1231	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1232	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1233	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
	R1236	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1237	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1238	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1239	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1301	NRSA02J-393X	MG R	39kΩ 1/10W J	*
	R1302	NRSA02J-183X	MG R	18kΩ 1/10W J	*
	R1303-04	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1305	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1421	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1422	QRE121J-391Y	C R	390Ω 1/2W J	*
	R1423	QRT029J-1R2	MF R	1.2Ω 2W J	*
	R1424	QRE121J-102Y	C R	1kΩ 1/2W J	*
	R1425	NRSA02J-683X	MG R	68kΩ 1/10W J	*
	R1427	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1428	NRSA02J-393X	MG R	39kΩ 1/10W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1429	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1430	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1501	NRSA02J-361X	MG R	360Ω 1/10W J	*
	R1502	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
	R1504	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1505	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R1506	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1507	NRSA02J-563X	MG R	56kΩ 1/10W J	*
	R1511	NRSA02J-391X	MG R	390Ω 1/10W J	*
	R1521	NRSA02J-391X	MG R	390Ω 1/10W J	*
	R1522	NRSA02J-271X	MG R	270Ω 1/10W J	*
	R1523	QRE121J-103Y	C R	10kΩ 1/2W J	*
	R1524-25	QRG029J-152	OM R	1.5kΩ 2W J	*
	R1531	QRE121J-220Y	C R	22Ω 1/2W J	*
	R1532	QRE121J-681Y	C R	680Ω 1/2W J	*
	R1533	QRL039J-103	OM R	10kΩ 3W J	*
⚠	R1541	QRK129J-150	C R	15Ω 1/2W J	*
	R1542	QRX016J-1R2	MF R	1.2Ω 1W J	*
	R1544	QRK129J-4R7	C R	4.7Ω 1/2W J	*
	R1545	QRE121J-822Y	C R	8.2kΩ 1/2W J	*
	R1547-48	QRE121J-154Y	C R	150kΩ 1/2W J	*
	R1553	NRSA02J-273X	MG R	27kΩ 1/10W J	*
⚠	R1556	QRA14CF-7501Y	MF R	7.5kΩ 1/4W F	*
⚠	R1557	QRA14CF-2671Y	MF R	2.67kΩ 1/4W F	*
	R1558	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1559	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1560	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R1561	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1572	NRSA02J-683X	MG R	68kΩ 1/10W J	*
	R1573	NRSA02J-153X	MG R	15kΩ 1/10W J	*
	R1574	NRSA02J-184X	MG R	180kΩ 1/10W J	*
	R1575	NRSA02J-274X	MG R	270kΩ 1/10W J	*
	R1576	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1577	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1578	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1580	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1582	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1583	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
	R1584	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1585	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1586	QRE121J-472Y	C R	4.7kΩ 1/2W J	*
	R1587	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1588	QRL039J-100	OM R	10Ω 3W J	*
	R1601	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1602	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R1603	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1604	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R1605	QRT039J-2R2	MF R	2.2Ω 3W J	*
	R1606-07	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1611	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1612	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1613	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1614	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1615-16	NRSA02J-271X	MG R	270Ω 1/10W J	*
	R1701	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1703	NRSA02J-823X	MG R	82kΩ 1/10W J	*
	R1704	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1705	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1706	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1710	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1713	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1714	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1716	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1717	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1718	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1719	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1720	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1721	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1724	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1725	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1726-27	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1728	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1729	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1730	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1731	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R1732	NRSA02J-224X	MG R	220kΩ 1/10W J	*
	R1733-34	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1735	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1736	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1739	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1740	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1741	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1742	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R1743	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1744	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1745	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1746	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1747	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1755	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1756-57	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1758-59	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1760	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1761	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1762	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R1763	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1772	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1773	NRSA02J-121X	MG R	120Ω 1/10W J	*
	R1781	QRL029J-221	OM R	220Ω 2W J	*
	R1791-95	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R1801-03	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1804-06	NRSA02J-101X	MG R	100Ω 1/10W J	*
⚠	R1901	QRF074K-R47	UNF R	0.47 Ω 7W K	*
	R1902	QRE121J-333Y	C R	33kΩ 1/2W J	*
	R1903	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1904-05	QRT029J-R22	MF R	0.22Ω 2W J	*
	R1907-08	QRL039J-393	OM R	39kΩ 3W J	*
	R1909	QRE121J-332Y	C R	3.3kΩ 1/2W J	*
	R1912-13	QRE121J-333Y	C R	33kΩ 1/2W J	*
	R1914	QRE121J-2R2Y	C R	2.2Ω 1/2W J	*
	R1915-16	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1917	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1918	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1920	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1924	QRG01GJ-221	OM R	220Ω 1W J	*
	R1925	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1926	QRT029J-R82	MF R	0.82Ω 2W J	*
	R1928	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1931	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1933	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1934	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1936	QRE121J-222Y	C R	2.2kΩ 1/2W J	*
	R1940	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1941	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1942	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1943	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1944	NRSA02J-393X	MG R	39kΩ 1/10W J	*
	R1945-46	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1947	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1948	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1949	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1951	QRT029J-1R2	MF R	1.2Ω 2W J	*
	R1952	QRT029J-1R0	MF R	1.0Ω 2W J	*
	R1954	QRE121J-272Y	C R	2.7kΩ 1/2W J	*
	R1955	QRE121J-473Y	C R	47kΩ 1/2W J	*
	R1956	NRSA02J-223X	MG R	22kΩ 1/10W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1957	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1961	QRJ146J-3R3X	C R	3.3Ω 1/4W J	*
	R1962	QRL029J-472	OM R	4.7kΩ 2W J	*
	R1963	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1964	NRSA02J-393X	MG R	39kΩ 1/10W J	*
	R1966	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1967	QRE121J-683Y	C R	68kΩ 1/2W J	*
⚠	R1998	QRZ9041-275	C R	2.7MΩ 1/2W K	*
⚠	R1999	QRE121J-121Y	C R	120Ω 1/2W J	*
	CAPACITOR				
	C1001	QETN1HM-475Z	E CAP.	4.7μF 50V M	*
	C1003	QETN1AM-477Z	E CAP.	470μF 10V M	*
	C1004	QETN1CM-227Z	E CAP.	220μF 16V M	*
	C1005	QETN1CM-476Z	E CAP.	47μF 16V M	*
	C1006	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1007	QETN1HM-106Z	E CAP.	10μF 50V M	*
	C1011	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1101	QFLC1HJ-104Z	M CAP.	0.1μF 50V J	*
	C1102	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1103	QETN1CM-107Z	E CAP.	100μF 16V M	*
	C1104-05	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1106	NDC21HJ-680X	C CAP.	68pF 50V J	*
	C1107	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1108	QETN1CM-107Z	E CAP.	100μF 16V M	*
	C1110	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1111	NCB21HK-222X	C CAP.	2200pF 50V K	*
	C1131	QFV71HJ-154Z	MF CAP.	0.15μF 50V J	*
	C1132	QFN31HJ-152Z	M CAP.	1500pF 50V J	*
	C1133	QETN1HM-474Z	E CAP.	0.47μF 50V M	*
	C1134	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1135	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1137	QETN1CM-476Z	E CAP.	47μF 16V M	*
	C1161	QETN1CM-107Z	E CAP.	100μF 16V M	*
	C1162	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1163	NDC21HJ-220X	C CAP.	22pF 50V J	*
	C1164-65	NDC21HJ-470X	C CAP.	47pF 50V J	*
	C1166	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1168-70	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1171	NCB21HK-222X	C CAP.	2200pF 50V K	*
	C1201	QENC1HM-475Z	BP E CAP.	4.7μF 50V M	*
	C1202-04	QETN1CM-476Z	E CAP.	47μF 16V M	*
	C1205	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
	C1206	QETN1HM-105Z	E CAP.	1μF 50V M	*
	C1207	QETN1HM-106Z	E CAP.	10μF 50V M	*
	C1208	NDC21HJ-680X	C CAP.	68pF 50V J	*
	C1221	QETN1CM-476Z	E CAP.	47μF 16V M	*
	C1222-23	NDC21HJ-330X	C CAP.	33pF 50V J	*
	C1224	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1225	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
	C1226	NDC21HJ-681X	C CAP.	680pF 50V J	*
	C1228	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
	C1231	QETN1CM-476Z	E CAP.	47μF 16V M	*
	C1232	QETN1HM-106Z	E CAP.	10μF 50V M	*
	C1233	QETN1CM-476Z	E CAP.	47μF 16V M	*
	C1234-35	QETN1HM-105Z	E CAP.	1μF 50V M	*
	C1301	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1302	NDC21HJ-100X	C CAP.	10pF 50V J	*
	C1303	NCB21HK-223X	C CAP.	0.022μF 50V K	*
	C1304	QETN1HM-474Z	E CAP.	0.47μF 50V M	*
	C1305	QETN1CM-107Z	E CAP.	100μF 16V M	*
	C1306	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1401	QETN1HM-225Z	E CAP.	2.2μF 50V M	*
	C1402	QBHC1CK-225Z	TAN.CAP.	2.2μF 16V K	
	C1403	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1421	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1424	QETN1VM-107Z	E CAP.	100μF 35V M	*
	C1425	QETM1VM-108	E CAP.	1000μF 35V M	*

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⚠	Symbol No.	Part No.	Part Name	Description	Local
	CAPACITOR				
	C1426	QFLC2AK-563Z	M CAP.	0.056µF 100V K	*
	C1427	QETM1EM-228	E CAP.	2200µF 25V M	*
	C1428	QFV71HJ-474Z	MF CAP.	0.47µF 50V J	*
	C1429	QFV71HJ-224Z	MF CAP.	0.22µF 50V J	*
	C1501	QETN1CM-227Z	E CAP.	220µF 16V M	*
	C1502	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1503	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1505	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1511	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1521	QCB32HK-151Z	C CAP.	150pF 500V K	*
	C1522	QCB32HK-331Z	C CAP.	330pF 500V K	*
	C1523	QETN2CM-105Z	E CAP.	1µF 160V M	*
⚠	C1531	QFZ0117-4001	MPP CAP.	4000pF1.4kVH±2.5%	*
⚠	C1532	QFZ0117-1302	MPP CAP.	0.13µF1.4kVH±2.5%	*
⚠	C1533	QFP32GJ-223	PP CAP.	0.022µF 400V J	*
	C1534	QEHR2EM-225Z	E CAP.	2.2µF 250V M	
⚠	C1535	QFZ0119-624	M.PP CAPACITOR	0.62µF 200V ±3%	*
	C1536	QCB32HK-561Z	C CAP.	560pF 500V K	*
	C1538	QEZ0420-107	E CAP.	100µF 160V M	*
	C1541	QETN2EM-475Z	E CAP.	4.7µF 250V M	*
	C1542	QETM1VM-228	E CAP.	2200µF 35V M	*
	C1544	QETN1VM-107Z	E CAP.	100µF 35V M	*
	C1545	QFLC2AJ-103Z	M CAP.	0.01µF 100V J	*
	C1546	QFLC1HJ-473Z	M CAP.	0.047µF 50V J	*
	C1548	QCB32HK-102Z	C CAP.	1000pF 500V K	*
	C1551	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1573	QFLC1HJ-683Z	M CAP.	0.068µF 50V J	*
	C1574	QETN1AM-477Z	E CAP.	470µF 10V M	*
	C1575	QFLC1HJ-683Z	M CAP.	0.068µF 50V J	*
	C1577	QETN1VM-476Z	E CAP.	47µF 35V M	*
	C1578-79	QEM61HK-475Z	E CAP.	4.7µF 50V K	
	C1602	QENC1HM-474Z	BP E CAP.	0.47µF 50V M	*
	C1604	QENC1HM-474Z	BP E CAP.	0.47µF 50V M	*
	C1605	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1606	QETN1EM-108Z	E CAP.	1000µF 25V M	*
	C1607	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C1608-09	QETN1CM-477Z	E CAP.	470µF 16V M	*
	C1613	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1614	QETN1HM-225Z	E CAP.	2.2µF 50V M	*
	C1615	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C1701-02	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1703	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1704	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1705	NDC21HJ-181X	C CAP.	180pF 50V J	*
	C1706	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C1708	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1709	NDC21HJ-221X	C CAP.	220pF 50V J	*
	C1710-11	NDC21HJ-390X	C CAP.	39pF 50V J	*
	C1712	NDC21HJ-270X	C CAP.	27pF 50V J	*
	C1713	NDC21HJ-150X	C CAP.	15pF 50V J	*
	C1714	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1715	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1716	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1717-18	NDC21HJ-330X	C CAP.	33pF 50V J	*
	C1719	NDC21HJ-471X	C CAP.	470pF 50V J	*
	C1720-21	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1724	NDC21HJ-471X	C CAP.	470pF 50V J	*
	C1736	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1741	QFN31HJ-102Z	M CAP.	1000pF 50V J	*
	C1743	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1744	NDC21HJ-681X	C CAP.	680pF 50V J	*
	C1761	QFN31HJ-272Z	M CAP.	2700pF 50V J	*
	C1771	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1772	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1773	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1774	QETN1CM-227Z	E CAP.	220µF 16V M	*
	C1781	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1782	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1783	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1784	QETN1HM-336Z	E CAP.	33µF 50V M	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	CAPACITOR				
	C1801-03	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
⚠	C1901	QFZ9040-104	M.F.CAPACITOR	0.1µFAC275V M	*
⚠	C1902	QFZ9040-473	M.M.CAPACITOR	0.047µFAC275V M	*
⚠	C1903	QFZ9040-104	M.F.CAPACITOR	0.1µFAC275V M	*
⚠	C1904	QCZ9052-102	C CAP.	1000pFAC125V M	*
⚠	C1906	QCZ9078-102	C CAP.	1000pFAC250V M	*
⚠	C1907	QCZ9078-102	C CAP.	1000pFAC250V M	*
⚠	C1908	QCZ9078-102	C CAP.	1000pFAC250V M	*
⚠	C1910	QEZ0169-477	E CAP.	470µF 200V M	*
	C1911	QETN1VM-477Z	E CAP.	470µF 35V M	*
	C1912	QFN31HJ-102Z	M CAP.	1000pF 50V J	*
	C1913	QCZ0325-222	C CAP.	2200pF 2kV K	*
	C1914	QCZ0325-391	C CAP.	390pF 2kV K	*
	C1915	QFP32GJ-223	PP CAP.	0.022µF 400V J	*
	C1916	QCZ0325-222	C CAP.	2200pF 2kV K	*
	C1918	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1919	NCB21HK-222X	C CAP.	2200pF 50V K	*
	C1920	QFLC1HJ-823Z	M CAP.	0.082µF 50V J	*
	C1921-23	QCZ0132-152Z	C CAP.	1500pF 500V K	*
	C1924	QEZ0420-107	E CAP.	100µF 160V M	*
	C1925	QCZ0132-152Z	C CAP.	1500pF 500V K	*
	C1926	QETM1CM-228	E CAP.	2200µF 16V M	*
	C1927	QETN1CM-227Z	E CAP.	220µF 16V M	*
	C1928	QETN1EM-108Z	E CAP.	1000µF 25V M	*
	C1931-32	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1934	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1935	QETN2AM-106Z	E CAP.	10µF 100V M	*
	C1937	QETN2CM-106Z	E CAP.	10µF 160V M	*
	C1938	NDC21HJ-471X	C CAP.	470pF 50V J	*
	C1951	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1952	QETN1HM-476Z	E CAP.	47µF 50V M	*
	C1954	QETN1HM-226Z	E CAP.	22µF 50V M	*
	C1955	NCB21HK-473X	C CAP.	0.047µF 50V K	*
⚠	C1990	QCZ9074-103	C CAP.	0.01µFAC125V M	*
⚠	C1991	QCZ9074-103	C CAP.	0.01µFAC125V M	*
	TRANSFORMER				
	T1131	QQR0907-001	IFT		*
	T1161	CELT003-109J3	S.I.F.TRANSF.		*
	T1521	CE42034-002	H.DRIVE TRANSF.		*
⚠	T1522	QQH0032-001	F B T		*
⚠	T1901	CETS107-001J8	SW TRANSF.		*
	COIL				
	L1001	QQL03BJ-101Z	COIL	100µH J	*
	L1102	QQLZ014-R22	PEAKING COIL	0.22µH	*
	L1103	QQLZ014-R68	PEAKING COIL	0.68µH	*
	L1104	QQL03BJ-680Z	COIL	68µH J	*
	L1131	QQL03BJ-330Z	COIL	33µH J	*
	L1161	QQL03BJ-680Z	COIL	68µH J	*
	L1162	QQL03BJ-220Z	COIL	22µH J	*
	L1201	QQL03BJ-270Z	COIL	27µH J	*
⚠	L1531	CE41663-00B	LINEARITY COIL		*
	L1532	QQLZ016-821	CHOKE COIL		*
⚠	L1591	QQLZ018-340	HEATER CHOKE		*
	L1701	QQL03BJ-5R6Z	COIL	5.6µH J	*
	L1702	QQL244J-100Z	COIL	10µH J	*
	L1707	QQL03BJ-5R6Z	COIL	5.6µH J	*
	L1771	QQL03BJ-5R6Z	COIL	5.6µH J	*
	L1921	QQL42AK-820Z	COIL	82µH K	*
	L1922	QQL42AK-220Z	COIL	22µH K	*
	DIODE				
	D1001	MTZJ33A-T2	ZENER DIODE		*
	D1221	MTZJ5.1B-T2	ZENER DIODE		*
	D1231-34	1SS133-T2	SI.DIODE		*
	D1421	1N4003-T2	SI.DIODE		*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	DIODE				
	D1422	MTZJ75-T2	ZENER DIODE		*
	D1501	1SS133-T2	SI.DIODE		*
	D1511	MTZJ3.3A-T2	ZENER DIODE		*
⚠	D1531	RH3G-F1	SI.DIODE		*
⚠	D1532	RU3AM-LFC4	SI.DIODE		*
	D1533	RGP10J-5025-T3	SI.DIODE		*
	D1541	RH1S-T3	SI.DIODE		*
	D1542	RGP10J-5025-T3	SI.DIODE		*
	D1544	1SS81-T2	SI.DIODE		*
	D1546	1SR124-400A-T2	SI.DIODE		*
	D1549	MTZJ9.1B-T2	ZENER DIODE		*
⚠	D1551	MA4068N/Z1/-T2	ZENER DIODE		
	D1560-61	1SS133-T2	SI.DIODE		*
	D1601-02	1SS133-T2	SI.DIODE		*
	D1609	1SS133-T2	SI.DIODE		*
	D1702-04	1SS133-T2	SI.DIODE		*
	D1741-42	1SS133-T2	SI.DIODE		*
	D1744	1SS133-T2	SI.DIODE		*
	D1771-72	1SS133-T2	SI.DIODE		*
	D1774	1SS133-T2	SI.DIODE		*
	D1801	MTZJ5.1B-T2	ZENER DIODE		*
	D1804	1SS133-T2	SI.DIODE		*
⚠	D1901	D3SBA60-S1	BRIDGE DIODE		*
⚠	D1902	RGP10J-5025-T3	SI.DIODE		*
	D1903-04	1SS133-T2	SI.DIODE		*
	D1905	EG1A-T3	SI.DIODE		*
	D1909	MTZJ15A-T2	ZENER DIODE		*
	D1910	RGP10J-5025-T3	SI.DIODE		*
	D1911	1SS133-T2	SI.DIODE		*
	D1912	MTZJ15A-T2	ZENER DIODE		*
	D1913-14	RGP10J-5025-T3	SI.DIODE		*
	D1916	RGP10J-5025-T3	SI.DIODE		*
	D1918	MTZJ13B-T2	ZENER DIODE		*
	D1921	RU3OA-F1	SI.DIODE		*
	D1922	RU3YX-LFC4	SI.DIODE		*
	D1923	EGP10DL-6006-F1	SI.DIODE		
	D1925	RGP10J-5025-T3	SI.DIODE		*
	D1926-28	1SS133-T2	SI.DIODE		*
	D1931	1SS133-T2	SI.DIODE		*
	D1933	1SS133-T2	SI.DIODE		*
	D1941	MTZJ11A-T2	ZENER DIODE		*
	D1942	MTZJ6.8C-T2	ZENER DIODE		*
	D1951	MTZJ7.5S-T2	ZENER DIODE		*
	TRANSISTOR				
	Q1101	2SC5083/L-P/-T	SI.TRANSISTOR		*
	Q1131-32	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1161	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1201-03	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1204-05	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q1231-32	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1521	2SC4212/Z1/	SI.TRANSISTOR		*
⚠	Q1531	2SD2539-LB	SI.TRANSISTOR	H.OUT	*
	Q1541	2SA1037AK/QR/-X	SI.TRANSISTOR		*
⚠	Q1542	2SC2785/JH/-T	SI.TRANSISTOR		*
	Q1551	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1552	2SA1037AK/QR/-X	SI.TRANSISTOR		*
⚠	Q1553	2SD1408/OY/-LB	SI.TRANSISTOR		*
	Q1601	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1602	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1603	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1604	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q1701	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1702	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1741	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1742	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1743-44	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1911	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q1912	2SD2088-T	SI.TRANSISTOR		*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	TRANSISTOR				
	Q1921	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1922	2SD1383K/AB/-X	SI.TRANSISTOR		*
	Q1923	2SA1020/Y/-T	SI.TRANSISTOR		*
	Q1924	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1925	2SA949/Y/Z1-T	SI.TRANSISTOR		*
	Q1926	2SC2240/GL/-T	SI.TRANSISTOR		*
	Q1927-28	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1929	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1931	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1942-43	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1944	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1951	2SA949/Y/Z1-T	SI.TRANSISTOR		*
	IC				
	IC1001	KIA78L05BP-T	I.C.(MONO-ANA)		*
	IC1101	UPC2409AHF	I.C.(MONO-ANA)		
	IC1201	TA1242N	I.C.(MONO-ANA)		*
	IC1202	TC4066BP	I.C.(DIGI-MOS)		*
	IC1221	MSM5256RS	I.C.(DIGI-MOS)		*
⚠	IC1421	LA7832	I.C.(MONO-ANA)		*
⚠	IC1601	LA4485	I.C.(MONO-ANA)		*
	IC1701	MN1876478JC	I C		*
	IC1702	AT24C08-36985U	I.C.	(SERVICE)	*
	IC1703	MN1381/Q/-T	I.C.(MONO-ANA)		*
	IC1771	AN77L05-T	I.C.(MONO-ANA)		
	IC1781	AN7705F	I.C.(MONO-ANA)		
⚠	IC1901	STR-F6626	I C		
⚠	IC1941	SE135N	I.C.(HYBRID)		*
	OTHERS				
	CF1001	FTP47.25MF	CERAMIC FILTER		*
	CF1131	QAX0339-001	CERAMIC FILTER		*
	CF1161	SFSH4.5MCB	CERAMIC FILTER		*
	CF1501	CSB503F30-T2	CER.RESONATOR		*
	CF1701	FCR12.0M2S	CER.RESONATOR		*
	CN1001	CHB303W-35R-J	RECEPTACLE		*
⚠	CN10PW	QMPD070-200-JC	POWER CORD		*
⚠	F1901	QMF0007-5R0J1	FUSE	5.0A	*
	K1421	QQR0582-001Z	BEADS CORE		*
	K1901	CE41433-001Z	BEADS CORE		*
	K1903	CE41433-001Z	BEADS CORE		*
	K1921	CE41433-001Z	BEADS CORE		*
	K1922	QQR0621-001Z	BEADS CORE		*
⚠	LF1901	CELF001-001J1	LINE FILTER		*
⚠	LF1902	CE42335-001J1	LINE FILTER		*
⚠	PC1901	TLP621(B)	I.C.(PH.COUPLER)		*
⚠	PC1902	TLP621(B)	I.C.(PH.COUPLER)		*
⚠	RY1901	CESK028-001	RELAY		*
⚠	RY1921	CESK028-001	RELAY		*
	S1421	QSL4A13-C02	LEVER SWITCH	(V.CENTER SW)	*
	SF1101	CE42604-201	SAW FILTER		
⚠	TH1501	CEKP004-002	P.THERMISTOR		*
⚠	TH1901	CEKP007-002	P.THERMISTOR		*
⚠	TU1001	QAU0071-001	TUNER		*
⚠	VA1901	ERZV10V361CS	VARISTOR		*
	W1156-57	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1159	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1161	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1164	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1166-67	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1170-71	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1175-76	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1178	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1180	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1187	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1191	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1193-94	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1201	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*

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⚠	Symbol No.	Part No.	Part Name	Description		Local
	OTHERS					
	W1205	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	W1263	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	W1267-68	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	W1276-78	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	W1293-95	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	W1297	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	W1299	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	W1300	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	X1221	QAX0271-001Z	CRYSTAL			*
	X1301	QAX0310-001Z	CRYSTAL			*
	Y1705	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	Y1710	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*

CRT SOKET P.W. BOARD ASS'Y (SGV-3003A-M2)

⚠	Symbol No.	Part No.	Part Name	Description		Local
	RESISTOR					
	R3351-53	NRSA02J-221X	MG R	220Ω 1/10W	J	*
	R3354-56	NRSA02J-181X	MG R	180Ω 1/10W	J	*
	R3357-59	NRSA02J-101X	MG R	100Ω 1/10W	J	*
	R3360-62	QRZ0111-152	C R	1.5kΩ 1/2W	K	*
	R3363-65	QRG029J-103	OM R	10kΩ 2W	J	*
	R3366-68	NRSA02J-152X	MG R	1.5kΩ 1/10W	J	*
	R3381	QRE121J-394Y	C R	390kΩ 1/2W	J	*
	CAPACITOR					
	C3354-55	NCS21HJ-331X	C CAP.	330pF 50V	J	*
	C3356	NCS21HJ-391X	C CAP.	390pF 50V	J	*
	C3357	QETN1CM-107Z	E CAP.	100μF 16V	M	*
	C3381	QETN2EM-225Z	E CAP.	2.2μF 250V	M	*
⚠	C3382	QCZ9074-103	C CAP.	0.01μFAC125V	M	*
	COIL					
	L3381	QQL39BK-101Z	COIL	100μH	K	*
	TRANSISTOR					
	Q3351-53	2SC4544-LB	SI.TRANSISTOR			*
	OTHERS					
⚠	SK3351	CE42535-001J1	CRT SOCKET			*

FRONT CONTROL P.W. BOARD ASS'Y (SGV-4002A-M2)

Refer to PARTS LIST in page 38 for this P.W. board.

AV SELECTOR P.W. BOARD ASS'Y (SGV-8003A-M2)

⚠	Symbol No.	Part No.	Part Name	Description		Local
	RESISTOR					
	R8002	NRSA02J-103X	MG R	10kΩ 1/10W	J	*
	R8003-04	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	R8005	QRJ146J-5R6X	C R	5.6Ω 1/4W	J	*
	R8101	NRSA02J-820X	MG R	82Ω 1/10W	J	*
	R8102	NRSA02J-562X	MG R	5.6kΩ 1/10W	J	*
	R8103	NRSA02J-182X	MG R	1.8kΩ 1/10W	J	*
	R8104	NRSA02J-180X	MG R	18Ω 1/10W	J	*
	R8105	NRSA02J-270X	MG R	27Ω 1/10W	J	*
	R8106	QRE121J-101Y	C R	100Ω 1/2W	J	*
	R8109	NRVA02D-221X	MF R	220Ω 1/10W	D	*
	R8110-11	NRSA02J-104X	MG R	100kΩ 1/10W	J	*
	R8112	NRSA02J-101X	MG R	100Ω 1/10W	J	*
	R8113	NRSA02J-103X	MG R	10kΩ 1/10W	J	*
	R8115	NRSA02J-221X	MG R	220Ω 1/10W	J	*
	R8117	NRSA02J-181X	MG R	180Ω 1/10W	J	*
	R8119	NRSA02J-821X	MG R	820Ω 1/10W	J	*
	R8120	NRSA02J-102X	MG R	1kΩ 1/10W	J	*
	R8121	NRSA02J-330X	MG R	33Ω 1/10W	J	*
	R8124	NRSA02J-272X	MG R	2.7kΩ 1/10W	J	*
	R8125	NRSA02J-334X	MG R	330kΩ 1/10W	J	*
	R8126	NRSA02J-223X	MG R	22kΩ 1/10W	J	*
	R8201	NRSA02J-101X	MG R	100Ω 1/10W	J	*
	R8202	NRSA02J-101X	MG R	100Ω 1/10W	J	*
	R8203	NRSA02J-562X	MG R	5.6kΩ 1/10W	J	*
	R8204	NRSA02J-101X	MG R	100Ω 1/10W	J	*
	R8211	NRSA02J-101X	MG R	100Ω 1/10W	J	*
	R8212	NRSA02J-221X	MG R	220Ω 1/10W	J	*
	R8213	NRSA02J-152X	MG R	1.5kΩ 1/10W	J	*
	R8215-16	NRSA02J-102X	MG R	1kΩ 1/10W	J	*
	R8217	NRSA02J-562X	MG R	5.6kΩ 1/10W	J	*
	R8271	NRSA02J-102X	MG R	1kΩ 1/10W	J	*
	R8272	NRSA02J-152X	MG R	1.5kΩ 1/10W	J	*
	R8273	NRSA02J-222X	MG R	2.2kΩ 1/10W	J	*
	R8275	NRSA02J-152X	MG R	1.5kΩ 1/10W	J	*
	R8276	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	R8301-02	NRSA02J-102X	MG R	1kΩ 1/10W	J	*
	R8303	NRSA02J-393X	MG R	39kΩ 1/10W	J	*
	R8304	NRSA02J-333X	MG R	33kΩ 1/10W	J	*
	R8305	NRSA02J-272X	MG R	2.7kΩ 1/10W	J	*
	R8306	NRSA02J-471X	MG R	470Ω 1/10W	J	*
	R8308	NRSA02J-102X	MG R	1kΩ 1/10W	J	*
	R8310-11	NRSA02J-153X	MG R	15kΩ 1/10W	J	*
	R8371	NRSA02J-222X	MG R	2.2kΩ 1/10W	J	*
	R8372	NRSA02J-102X	MG R	1kΩ 1/10W	J	*
	R8375	NRSA02J-183X	MG R	18kΩ 1/10W	J	*
	R8376	NRSA02J-103X	MG R	10kΩ 1/10W	J	*
	R8377	NRSA02J-152X	MG R	1.5kΩ 1/10W	J	*
	R8378	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	R8601	NRSA02J-102X	MG R	1kΩ 1/10W	J	*
	R8602-03	NRSA02J-682X	MG R	6.8kΩ 1/10W	J	*
	R8604	NRSA02J-683X	MG R	68kΩ 1/10W	J	*
	R8605	NRSA02J-332X	MG R	3.3kΩ 1/10W	J	*
	R8606	NRSA02J-333X	MG R	33kΩ 1/10W	J	*
	R8607	NRVA02D-153X	MF R	15kΩ 1/10W	D	*
	R8609	NRVA02D-152X	MF R	1.5kΩ 1/10W	D	*
	R8611	NRSA02J-512X	MG R	5.1kΩ 1/10W	J	*
	R8613-16	NRSA02J-101X	MG R	100Ω 1/10W	J	*
	R8661	NRSA02J-123X	MG R	12kΩ 1/10W	J	*
	R8662	NRSA02J-473X	MG R	47kΩ 1/10W	J	*
	R8663-64	NRSA02J-123X	MG R	12kΩ 1/10W	J	*
	R8665	NRSA02J-473X	MG R	47kΩ 1/10W	J	*
	R8666	NRSA02J-123X	MG R	12kΩ 1/10W	J	*
	R8667-68	NRSA02J-562X	MG R	5.6kΩ 1/10W	J	*
	R8671	NRSA02J-562X	MG R	5.6kΩ 1/10W	J	*
	R8672	NRSA02J-223X	MG R	22kΩ 1/10W	J	*
	R8683-86	NRSA02J-223X	MG R	22kΩ 1/10W	J	*
	R8691-94	NRSA02J-221X	MG R	220Ω 1/10W	J	*

⚠ Symbol No.	Part No.	Part Name	Description	Local
RESISTOR				
R8695-96	NRSA02J-823X	MG R	82kΩ 1/10W J	*
R8801-03	NRSA02J-820X	MG R	82Ω 1/10W J	*
R8804-05	NRSA02J-823X	MG R	82kΩ 1/10W J	*
R8806-07	NRSA02J-820X	MG R	82Ω 1/10W J	*
R8808	NRSA02J-820X	MG R	82Ω 1/10W J	*
R8809-10	NRSA02J-823X	MG R	82kΩ 1/10W J	*
R8813	NRSA02J-102X	MG R	1kΩ 1/10W J	*
R8814-16	NRSA02J-221X	MG R	220Ω 1/10W J	*
R8817	NRSA02J-102X	MG R	1kΩ 1/10W J	*
R8818	NRSA02J-102X	MG R	1kΩ 1/10W J	*
R8819	NRSA02J-221X	MG R	220Ω 1/10W J	*
R8820-21	NRSA02J-102X	MG R	1kΩ 1/10W J	*
R8822-23	NRSA02J-221X	MG R	220Ω 1/10W J	*
R8824	NRSA02J-102X	MG R	1kΩ 1/10W J	*
R8829	NRSA02J-103X	MG R	10kΩ 1/10W J	*
R8831-33	NRSA02J-563X	MG R	56kΩ 1/10W J	*
R8851	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
R8852	NRSA02J-223X	MG R	22kΩ 1/10W J	*
R8854	NRSA02J-101X	MG R	100Ω 1/10W J	*
CAPACITOR				
C8001	QETN1HM-475Z	E CAP.	4.7μF 50V M	*
C8003	QETN1CM-107Z	E CAP.	100μF 16V M	*
C8004	QETN1HM-106Z	E CAP.	10μF 50V M	*
C8005	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8006	QETN1HM-106Z	E CAP.	10μF 50V M	*
C8007-08	QETN1CM-476Z	E CAP.	47μF 16V M	*
C8101-03	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8104	NCB21HK-222X	C CAP.	2200pF 50V K	*
C8105	QETN1CM-107Z	E CAP.	100μF 16V M	*
C8106	NCB21HK-222X	C CAP.	2200pF 50V K	*
C8107	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8108	NDC21HJ-101X	C CAP.	100pF 50V J	*
C8109-10	QFV71HJ-224Z	MF CAP.	0.22μF 50V J	*
C8112	NCB21HK-222X	C CAP.	2200pF 50V K	*
C8113	QETN1CM-476Z	E CAP.	47μF 16V M	*
C8114	QETN1HM-474Z	E CAP.	0.47μF 50V M	*
C8115	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8116	QETN1CM-107Z	E CAP.	100μF 16V M	*
C8117	QETN1HM-106Z	E CAP.	10μF 50V M	*
C8118	QFV71HJ-474Z	MF CAP.	0.47μF 50V J	*
C8201	QETN1CM-107Z	E CAP.	100μF 16V M	*
C8211	QETN1HM-106Z	E CAP.	10μF 50V M	*
C8212	NDC21HJ-330X	C CAP.	33pF 50V J	*
C8216	QETN1CM-476Z	E CAP.	47μF 16V M	*
C8271	QETN1CM-476Z	E CAP.	47μF 16V M	*
C8303	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8306	NDC21HJ-680X	C CAP.	68pF 50V J	*
C8307	NDC21HJ-271X	C CAP.	270pF 50V J	*
C8308	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8371	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8375	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8601	QETN1CM-107Z	E CAP.	100μF 16V M	*
C8602	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8603	QETN1CM-476Z	E CAP.	47μF 16V M	*
C8604	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
C8605	QENC1HM-475Z	BP E CAP.	4.7μF 50V M	*
C8606	QENC1HM-105Z	BP E CAP.	1μF 50V M	*
C8607	QETN1HM-225Z	E CAP.	2.2μF 50V M	*
C8608	NCB21HK-473X	C CAP.	0.047μF 50V K	*
C8609	QETN1HM-474Z	E CAP.	0.47μF 50V M	*
C8610-11	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
C8612	QETN1HM-105Z	E CAP.	1μF 50V M	*
C8613	QBTC1CK-335Z	TAN.CAP.	3.3μF 16V K	
C8614	QBTC1CK-106Z	TAN.CAP.	10μF 16V K	
C8615-16	QETN1HM-105Z	E CAP.	1μF 50V M	*
C8617	QETN1HM-475Z	E CAP.	4.7μF 50V M	*
C8618	QETN1HM-105Z	E CAP.	1μF 50V M	*
C8619	NCB21HK-273X	C CAP.	0.027μF 50V K	*

⚠ Symbol No.	Part No.	Part Name	Description	Local
CAPACITOR				
C8620	QETN1HM-225Z	E CAP.	2.2μF 50V M	*
C8621	NCB21HK-222X	C CAP.	2200pF 50V K	*
C8622	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
C8623	QETN1HM-225Z	E CAP.	2.2μF 50V M	*
C8624	NCB21HK-222X	C CAP.	2200pF 50V K	*
C8625	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
C8628	QETN1HM-105Z	E CAP.	1μF 50V M	*
C8661-62	QENC1HM-105Z	BP E CAP.	1μF 50V M	*
C8664	QETN1CM-476Z	E CAP.	47μF 16V M	*
C8691-92	QETN1HM-474Z	E CAP.	0.47μF 50V M	*
C8814	QETN1HM-105Z	E CAP.	1μF 50V M	*
C8815-16	QETN1HM-106Z	E CAP.	10μF 50V M	*
C8817-18	QETN1HM-105Z	E CAP.	1μF 50V M	*
C8819	QETN1HM-106Z	E CAP.	10μF 50V M	*
C8820-21	QETN1HM-105Z	E CAP.	1μF 50V M	*
C8822	QETN1HM-106Z	E CAP.	10μF 50V M	*
C8823	QETN1HM-105Z	E CAP.	1μF 50V M	*
C8833-37	NCB21HK-102X	C CAP.	1000pF 50V K	*
C8842-43	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8845	QETN1HM-106Z	E CAP.	10μF 50V M	*
C8846-47	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8848-49	QENC1HM-105Z	BP E CAP.	1μF 50V M	*
C8850-51	QETN1CM-476Z	E CAP.	47μF 16V M	*
C8852	QENC1HM-105Z	BP E CAP.	1μF 50V M	*
C8854	QETN1HM-106Z	E CAP.	10μF 50V M	*
C8855	QENC1HM-105Z	BP E CAP.	1μF 50V M	*
COIL				
L8003	QQL03BJ-150Z	COIL	15μH J	*
L8101	QQLZ014-R22	PEAKING COIL	0.22μH	*
L8103	CE42452-003	COIL		*
L8104	QQL03BJ-180Z	PEAKING COIL	18μH	*
L8106	QQL03BJ-5R6Z	COIL	5.6μH J	*
L8211	QQL03BJ-220Z	COIL	22μH J	*
L8302	QQL03BJ-150Z	COIL	15μH J	*
DIODE				
D8693-94	MTZJ9.1C-T2	ZENER DIODE		*
D8703	MTZJ5.6B-T2	ZENER DIODE		*
D8814-23	MTZJ9.1C-T2	ZENER DIODE		*
TRANSISTOR				
Q8101	2SC5083/L-P/-T	SI.TRANSISTOR		*
Q8102	2SA1037AK/QR/-X	SI.TRANSISTOR		*
Q8201	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8211	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8212	2SA1037AK/QR/-X	SI.TRANSISTOR		*
Q8271	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8302	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8304-05	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8371	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8671-72	DTC124EKA-X	DIGI.TRANSISTOR		*
Q8683-86	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8803	2SA1037AK/QR/-X	SI.TRANSISTOR		*
Q8851-52	DTC124EKA-X	DIGI.TRANSISTOR		*
IC				
IC8001	KIA78L05BP-T	I.C.(MONO-ANA)		*
IC8101	LA7583	I.C.(MONO-ANA)		*
IC8601	UPC1851BCU	I C		
IC8661	BA15218N	I.C.(MONO-ANA)		*
IC8671	TC4066BP	I.C.(DIGI-MOS)		*
IC8801	CXA1545AS	I.C.(MONO-ANA)		*
IC8803	TC4066BP	I.C.(DIGI-MOS)		*

AV-36980

⚠	Symbol No.	Part No.	Part Name	Description	Local
	OTHERS				
	CF8102	FCR5.71M2SF3	CER.RESONATOR		*
	CF8103	QAX0339-001	CERAMIC FILTER		*
	CM8201	CE42599-001	COMB FILTER		*
	CN8001	CHB303W-35P-J	PLUG		*
	DL8201	CE42464-001	BPF&DL MODULE		*
	J8801-02	QNZ0117-001	PIN JACK		*
	J8803	QNN0181-001	PIN JACK		*
	J8804-05	QNS0001-001	JACK		*
	SF8101	QAX0483-001	SAW FILTER		*
⚠	TU8001	QAU0071-001	TUNER		*
	W8071	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W8072	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W8096	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W8102-03	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W8108	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W8159	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W8162	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W8169	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W8172	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*

PIP P.W. BOARD ASS'Y (SGV0P001A-M2)

Refer to PARTS LIST in page 40 for this P.W. board.

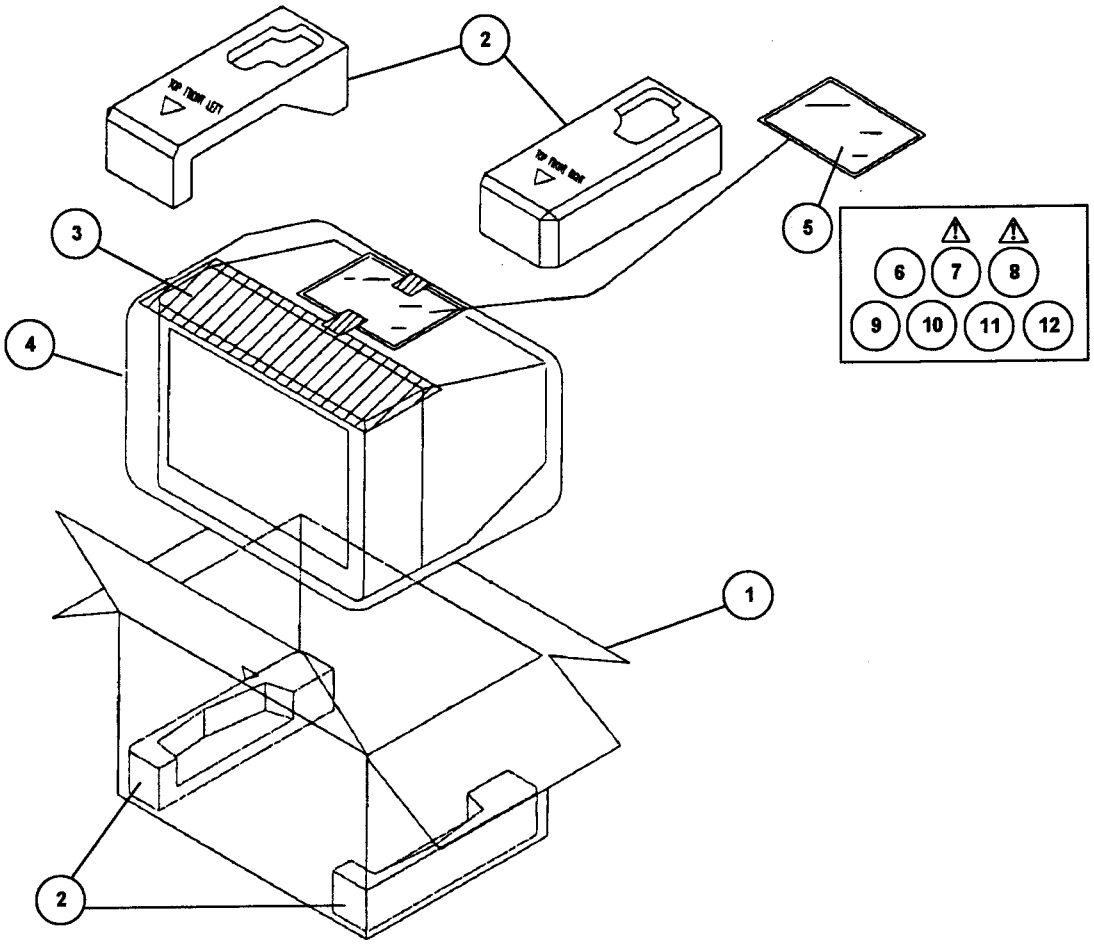
GUIDE PLUS + MODULE P.W. BOARD ASS'Y (SGV0T001A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	OTHERS				
		SGV0T001A-M2	GUIDE PULS + MODULE		

REMOTE CONTROL UNIT PARTS LIST (RM-C752-1C)

⚠	Ref.No.	Part No.	Part Name	Description	Local
		2AA015250	BATTERY COVER		*

PACKING



PACKING PARTS LIST

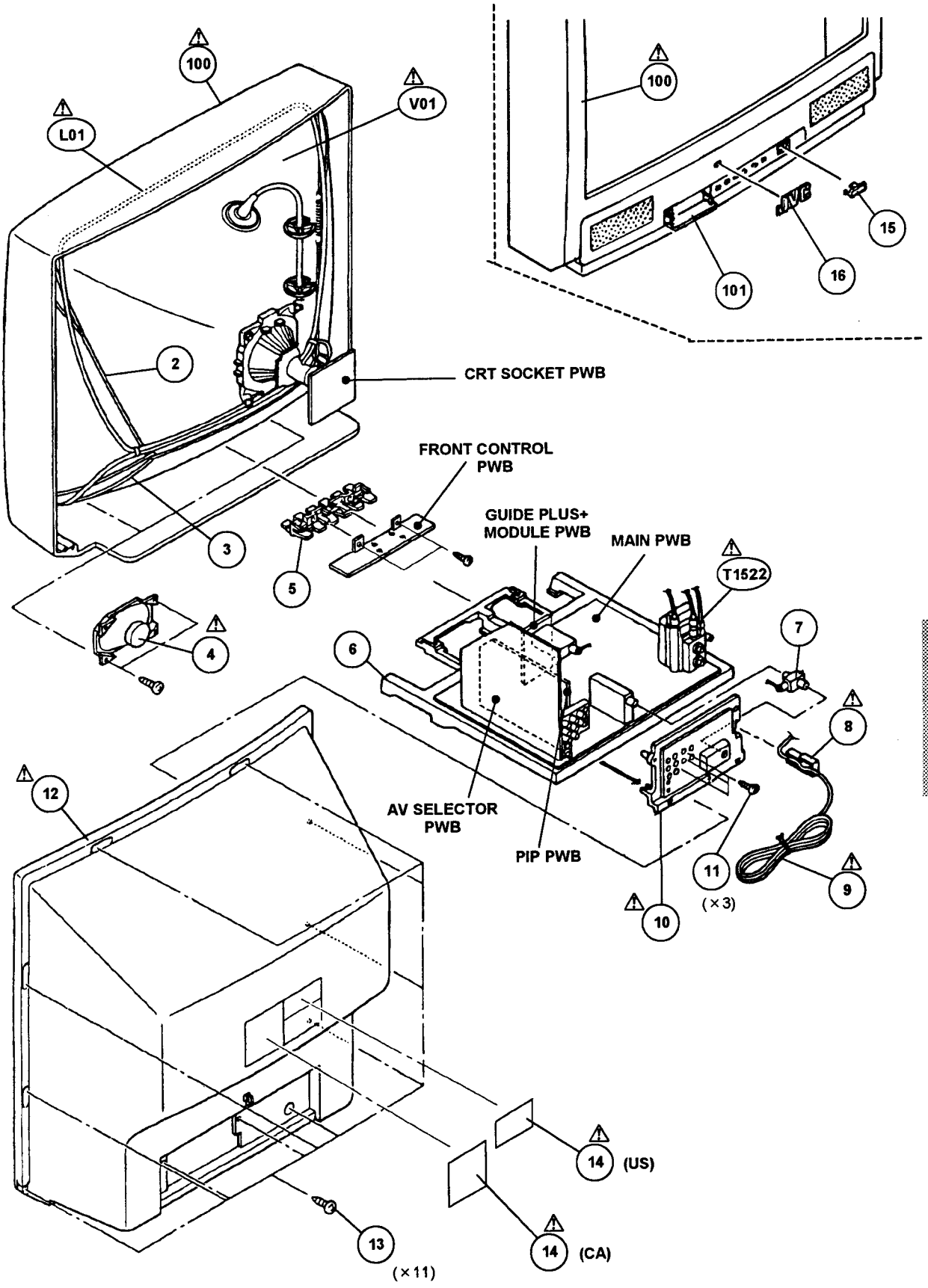
⚠	Ref.No.	Part No.	Part Name	Description	Local
	[America Model]				
	1	CP11499-019-A	PACKING CASE		*
	2	CP11387-00D-A	CUSHION ASSY	4pcs in 1set	*
	3	CP30055-A02-A	TOP COVER		*
	4	CP30056-004-A	POLY BAG		*
	5	QPGA025-03505A	POLY BAG		*
	6	RM-C752-1C	REMOCON UNIT		*
⚠	7	LCT0135-001A-A	INST.BOOK	(ENGLISH)	*
	9	BT-51006-1Q	REGISTER CARD		*
	12	CE42597-00A	IR MOUSE		*
	[Canada Model				
	1	CP11499-019-A	PACKING CASE		*
	2	CP11387-00D-A	CUSHION ASSY	4pcs in 1set	*
	3	CP30055-A02-A	TOP COVER		*
	4	CP30056-004-A	POLY BAG		*
	5	QPGA025-03505A	POLY BAG		*
	6	RM-C752-1C	REMOCON UNIT		*
⚠	7	LCT0135-001A-A	INST.BOOK	(ENGLISH)	*
⚠	8	LCT0136-001A-A	INST BOOK	(FRENCH)	*
	10	BT-52002-1Q	WARRANTY CARD		*
	11	BT-20071B-Q	SVC CENTER LIST		*
	12	CE42597-00A	IR MOUSE		*

AV-36985 (US&CA)

EXPLODED VIEW PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	L01	CELD067-001JA	DEGAUSSING COIL		*
⚠	V01	A90AFX15X01	ITC TUBE(C)	(Inc.DY)	*
⚠	T1522	QQH0032-001	F B T	(Within MAIN PWB)	*
	2	CHGB0027-0A	BRAIDED ASSY		*
	3	CHGB0016-0C	BRAIDED SUB WIRE	(×2)	*
⚠	4	CEBSS12D-02J2	SPEAKER	(×2)SP01,SP02	*
	5	CM35776-B01-H	PUSH KNOB		*
	6	CM12689-B01-VA	CHASSIS BASE		*
	7	CEGA008-001	ANT.SPLITTER		*
⚠	8	CM48140-A03-A	CORD CLAMP		*
⚠	9	QMPD070-200-JC	POWER CORD	(SERVICE)	
⚠	10	LC20087-001B-A	TERMINAL BOARD		*
	11	SBSB3010Z	TAPPING SCREW	(×3)	*
⚠	12	CM12634-D02-MA	REAR COVER		*
	13	GBSB4016Z	TAPPING SCREW	(×11)	*
⚠	14	CM22999-001-A	RATING LABEL	(CA)	*
⚠	14	CM23034-001-A	RATING LABEL	(US)	*
	15	CM35983-001-H	REMOCON WINDOW		*
	16	CM46084-A01	BRAND MARK		
⚠	100	CM12747-00L-MA	F.CABINET ASSY	Inc.No.101	*
	101	CM36162-010-A	DOOR		

EXPLODED VIEW



PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SGV-1008A-M2)

Refer to PARTS LIST in page 46 for this P.W. board.

CRT SOKET P.W. BOARD ASS'Y (SGV-3003A-M2)

Refer to PARTS LIST in page 50 for this P.W. board.

FRONT CONTROL P.W. BOARD ASS'Y (SGV-4002A-M2)

Refer to PARTS LIST in page 38 for this P.W. board.

AV SELECTOR P.W. BOARD ASS'Y (SGV-8003A-M2)

Refer to PARTS LIST in page 50 for this P.W. board.

PIP P.W. BOARD ASS'Y (SGV0P001A-M2)

Refer to PARTS LIST in page 40 for this P.W. board.

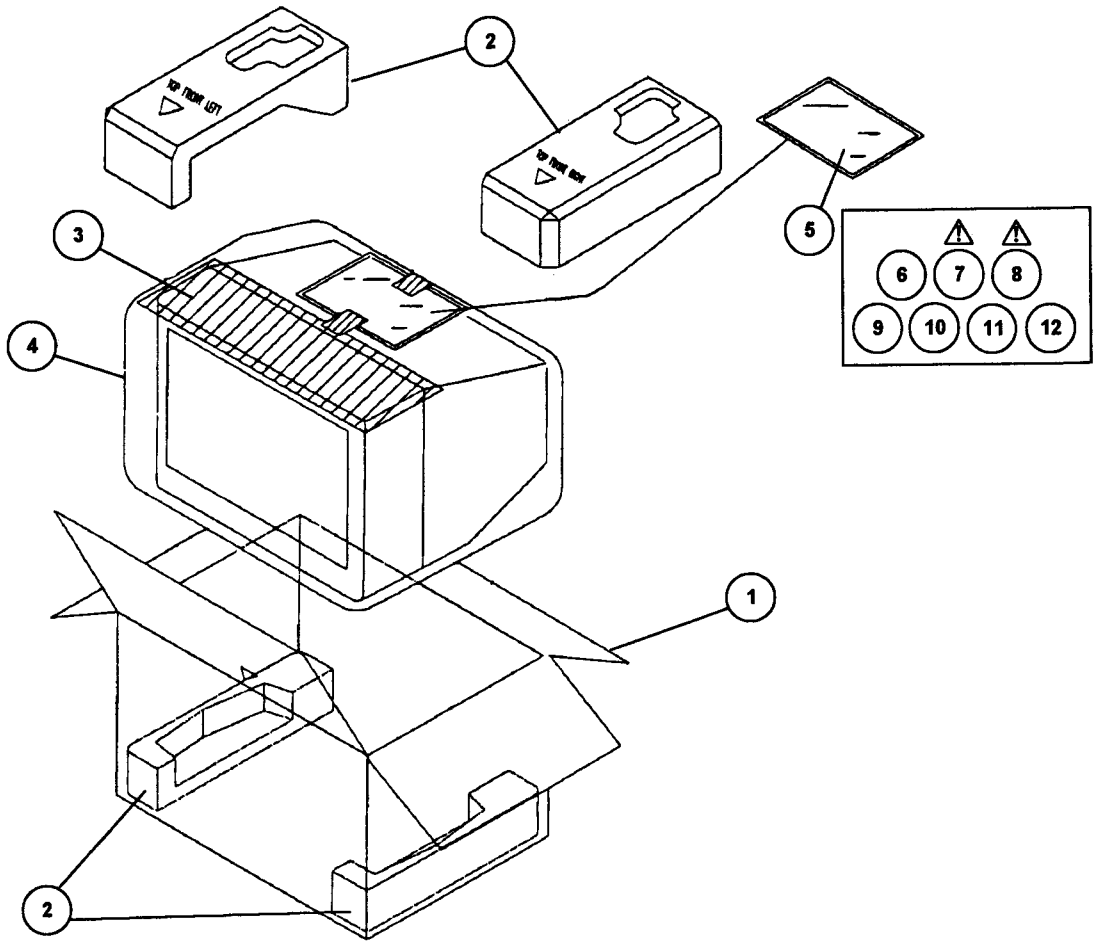
GUIDE PLUS + MODULE P.W. BOARD ASS'Y (SGV0T001A-M2)

Refer to PARTS LIST in page 52 for this P.W. board.

REMOTE CONTROL UNIT PARTS LIST (RM-C888-1A)

⚠ Ref.No.	Part No.	Part Name	Description	Local
	103RRC-AAA-01R	BATTERY COVER		*

PACKING

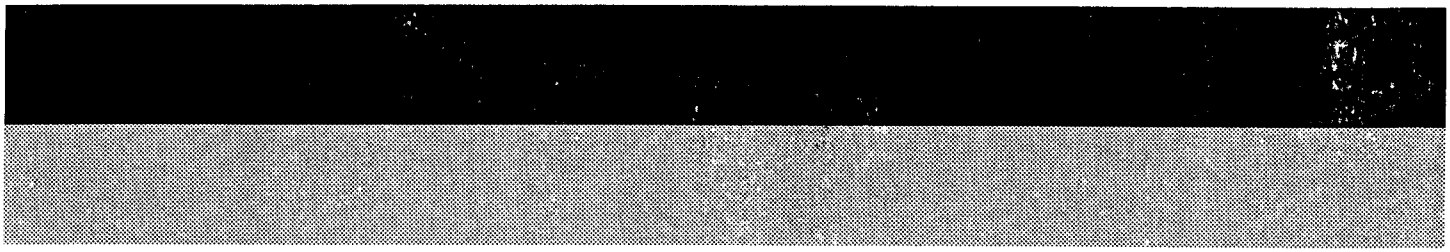


PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	[America Model]				
	1	CP11499-019-A	PACKING CASE		*
	2	CP11387-00D-A	CUSHION ASSY	4pcs in 1set	*
	3	CP30055-A02-A	TOP COVER		*
	4	CP30056-004-A	POLY BAG		*
	5	QPGA025-03505A	POLY BAG		*
	6	RM-C888-1A	REMOCON UNIT		*
⚠	7	LCT0137-001A-A	INST BOOK	(ENGLISH)	*
	9	BT-51006-1Q	REGISTER CARD		*
	12	CE42597-00A	IR MOUSE		*
	[Canada Model				
	1	CP11499-019-A	PACKING CASE		*
	2	CP11387-00D-A	CUSHION ASSY	4pcs in 1set	*
	3	CP30055-A02-A	TOP COVER		*
	4	CP30056-004-A	POLY BAG		*
	5	QPGA025-03505A	POLY BAG		*
	6	RM-C888-1A	REMOCON UNIT		*
⚠	7	LCT0137-001A-A	INST BOOK	(ENGLISH)	*
⚠	8	LCT0138-001A-A	INST BOOK	(FRENCH)	*
	10	BT-52002-1Q	WARRANTY CARD		*
	11	BT-20071B-Q	SVC CENTER LIST		*
	12	CE42597-00A	IR MOUSE		*

MEMO

MEMO



JVC SERVICE & ENGINEERING COMPANY OF AMERICA

DIVISION OF US JVC CORP.

Head office (East Coast) :	107 Little Falls Road, Fairfield, New Jersey 07004	(973)808-9279
Midwest :	705 Enterprise St. Aurora, Illinois 60504	(630)851-7855
West Coast:	5665 Corporate Avenue, Cypress, California 90630	(714)229-8011
Southeast :	1500 Lakes Parkway, Lawrenceville, Georgia 30243	(770)339-2522
Hawaii :	2969 Mapunapuna Place, Honolulu, Hawaii 96819	(808)833-5828

JVC CANADA INC.

Head office:	21 Finchdene Square Scarborough, Ontario M1X 1A7	(416)293-1311
Vancouver :	13040 Worster Court Richmond B.C. V6V 2B3	(604)270-1311

JVC

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AV36980(USM) #4 AV36980(CAM) #3
AV36985(USM) #3 AV36985(CAM) #4
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